

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039491.D
 Acq On : 14 Jul 2020 17:48
 Operator : SY/MD
 Sample : L3292-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT88

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 12:58:25 PM

Quant Time: Jul 15 07:33:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 06:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	94168	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22960	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.93	69	24420	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	84981	7.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	158.40%#
20) 2-Butanone-d5	4.66	46	117409	47.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.04%
24) Chloroform-d	5.09	84	48885	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.72	65	34279	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.75	84	102592	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.71	67	34877	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.91	98	93975	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.19	79	14682	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.64	63	83261	40.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.90%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	34016	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	36515	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	1195	0.209 ug/L	99
3) Chloromethane	1.53	50	2174	0.314 ug/L	93
5) Vinyl chloride	1.61	62	3199	0.417 ug/L #	76
9) Trichlorofluoromethane	2.15	101	11859	0.889 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	30615	5.596 ug/L	98
12) 1,1-Dichloroethene	2.59	96	78712	14.055 ug/L #	81
18) trans-1,2-Dichloroethene	3.37	96	850	0.137 ug/L	78
19) 1,1-Dichloroethane	3.89	63	22841	1.883 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	71943	10.348 ug/L	95
25) Chloroform	5.11	83	15878	1.296 ug/L	96
27) 1,2-Dichloroethane	5.81	62	4487	0.506 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	15525	1.419 ug/L	99
31) Carbon tetrachloride	5.54	117	2340	0.251 ug/L	96
33) Benzene	5.79	78	4865	0.175 ug/L	100
34) Trichloroethene	6.56	95	655718	91.313 ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	901m	0.166 ug/L	
47) Tetrachloroethene	8.56	164	3164077	633.448 ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 06:21:40 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.70	106	2568	0.207	ug/L	71
54) o-Xylene	10.10	106	1368	0.113	ug/L	62

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

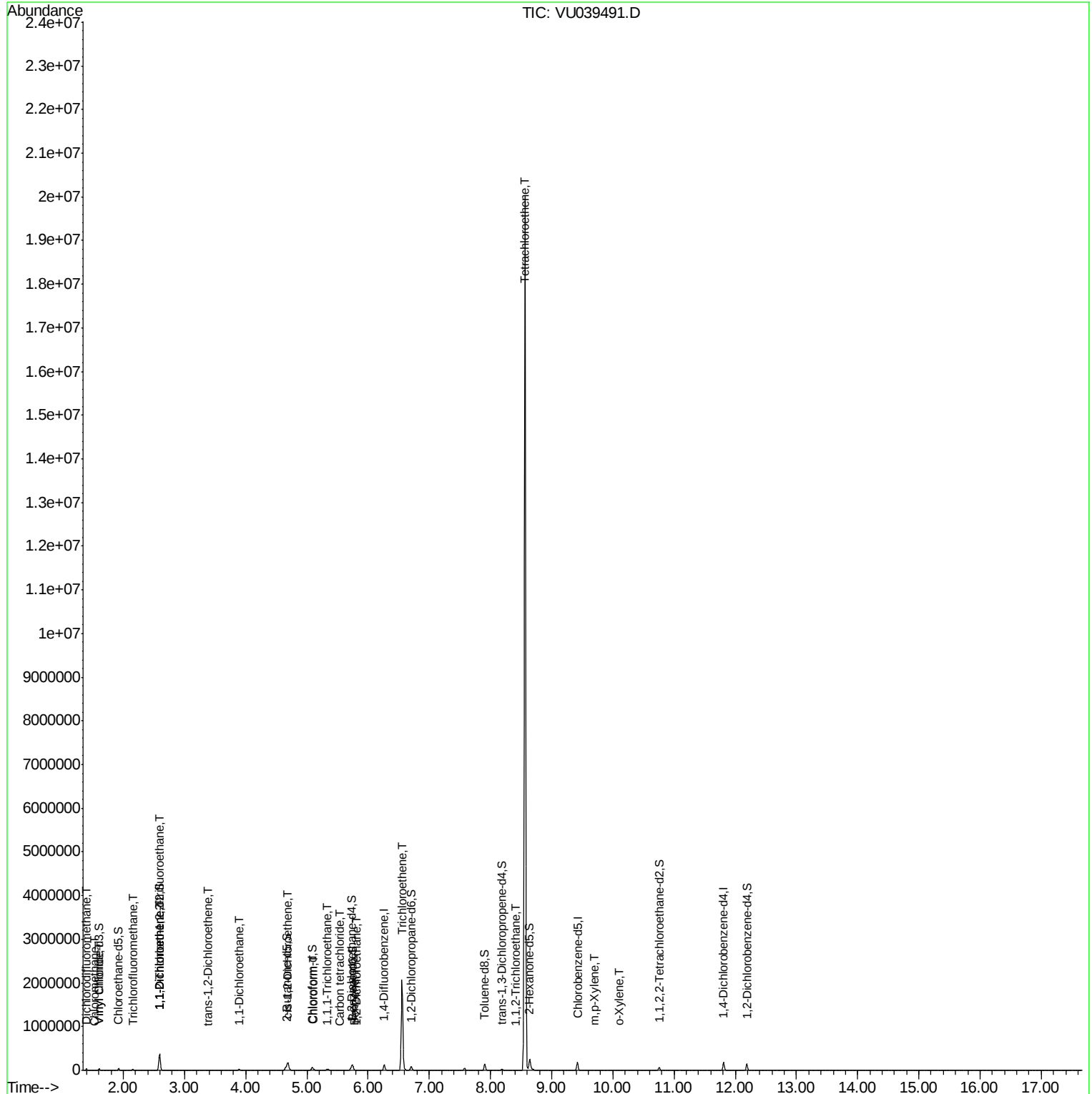
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071420\
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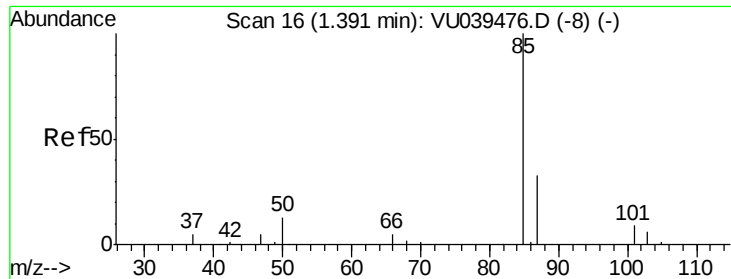
Instrument :
MSVOA_U
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Quant Time: Jul 15 07:33:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 15 06:21:40 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.209 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tot Ion: 85 Resp: 1195

Ion Ratio Lower Upper

85 100

87 31.0 25.2 37.8

Instrument :

MSVOA_U

ClientSampled :

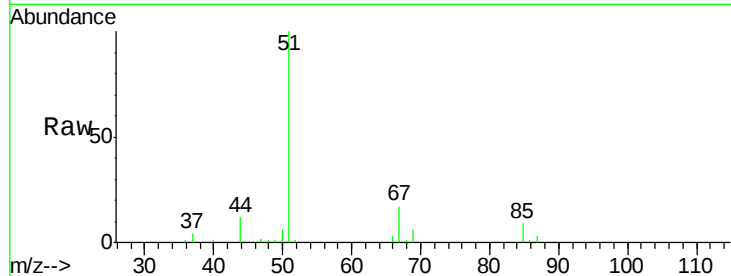
BFT88

Manual Integrations

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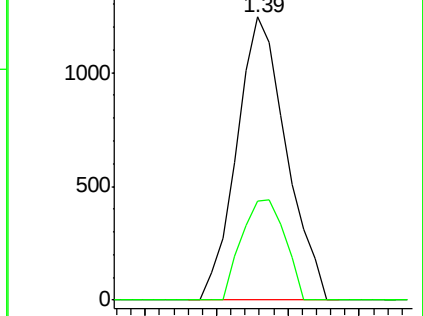
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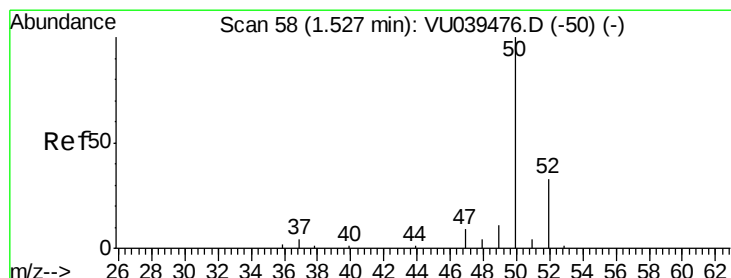
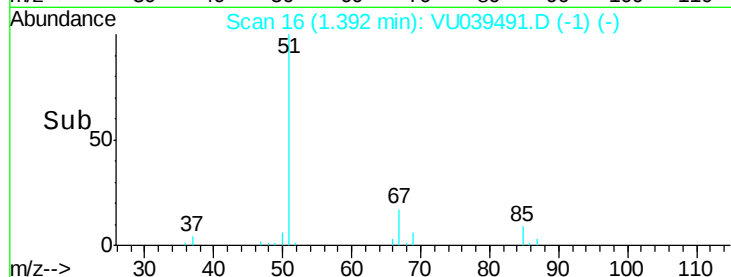


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.314 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039491.D

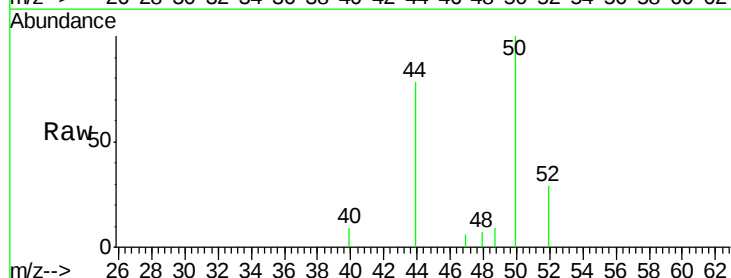
Acq: 14 Jul 2020 17:48

Tgt Ion: 50 Resp: 2174

Ion Ratio Lower Upper

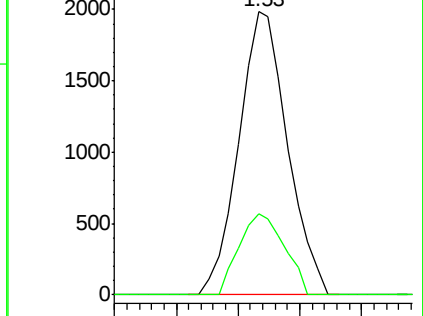
50 100

52 28.7 23.0 42.8

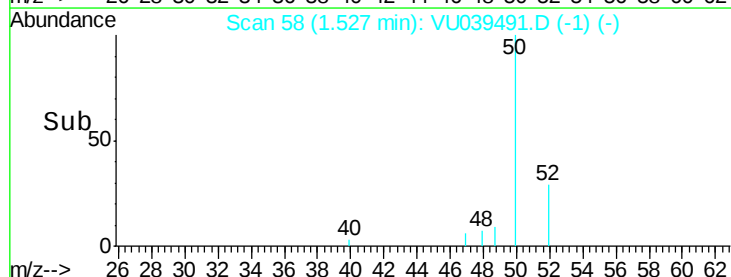


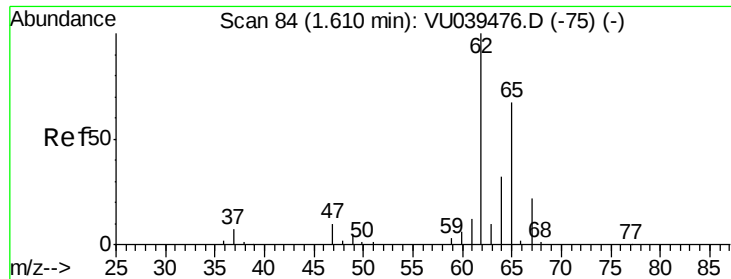
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->





#5

Vinyl chloride

Concen: 0.417 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

ClientSampled :

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Tot Ion: 62 Resp: 3199

Ion Ratio Lower Upper

62 100

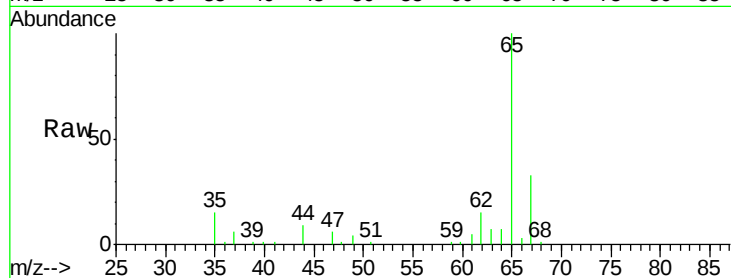
64 47.5 23.7 44.1#

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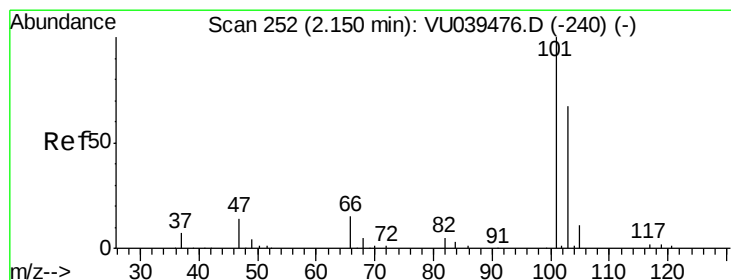
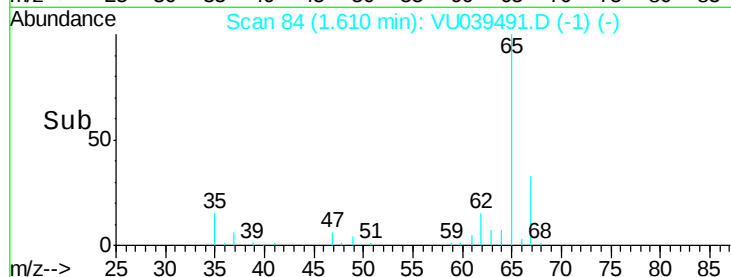
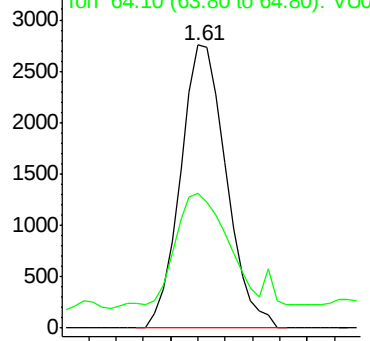
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Abundance Ion 62.00 (61.70 to 62.70): VU039491.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.889 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039491.D

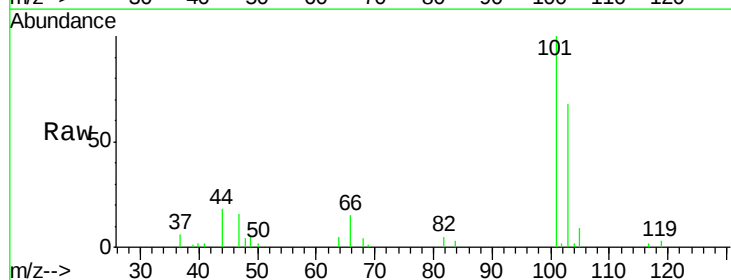
Acq: 14 Jul 2020 17:48

Tgt Ion: 101 Resp: 11859

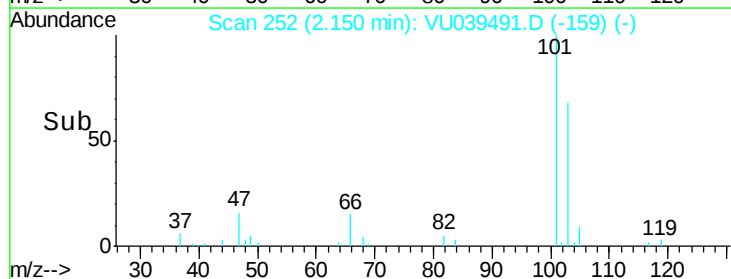
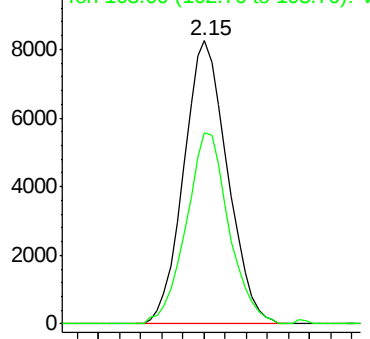
Ion Ratio Lower Upper

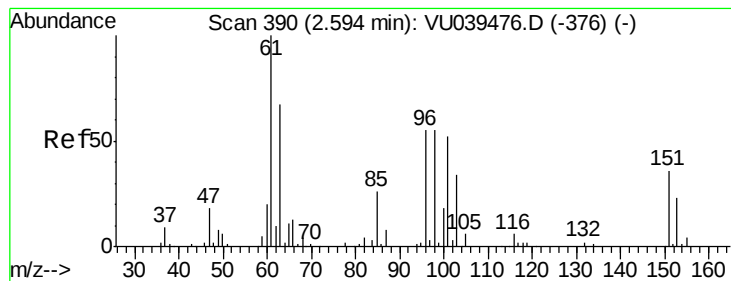
101 100

103 65.8 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039491.D (-159) (-)





#10

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

Concen: 5.596 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

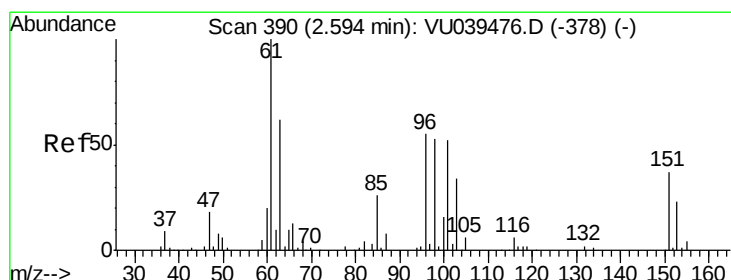
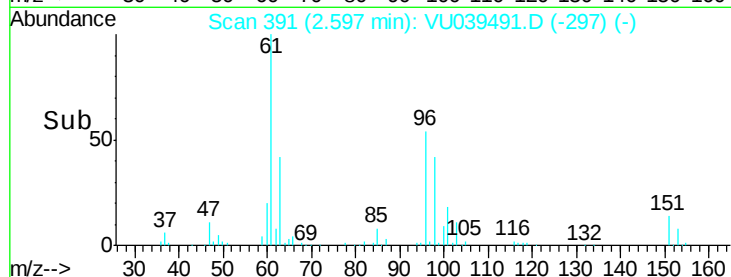
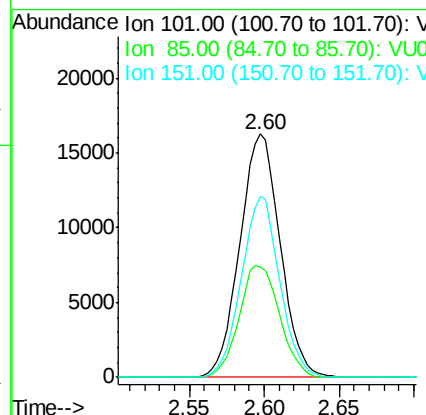
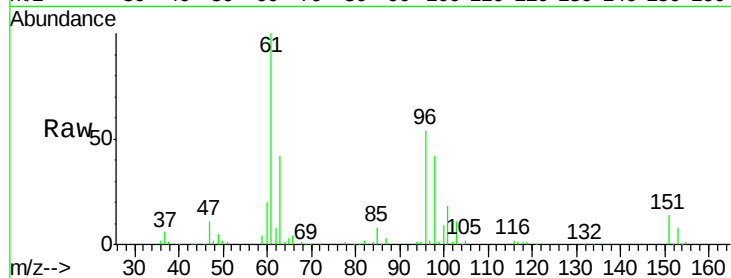
ClientSampled :

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Tot Ion:	101	Resp:	30615
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.9	58.3
151	70.3	57.0	85.4

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#12

1,1-Dichloroethene

Concen: 14.055 ug/L

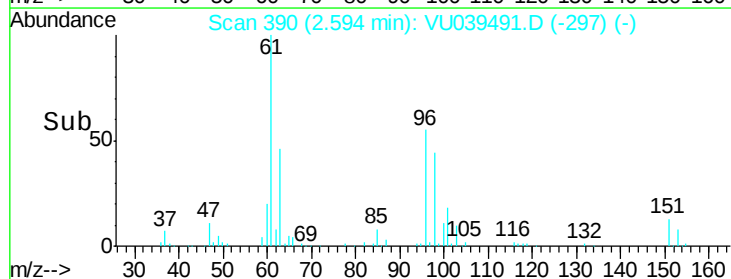
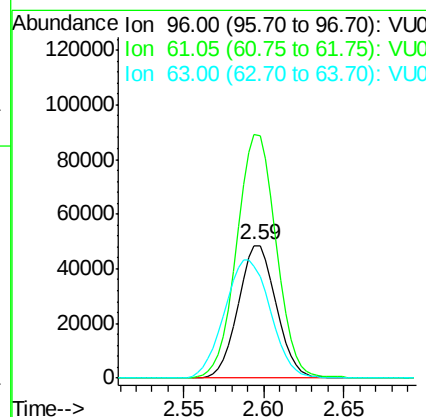
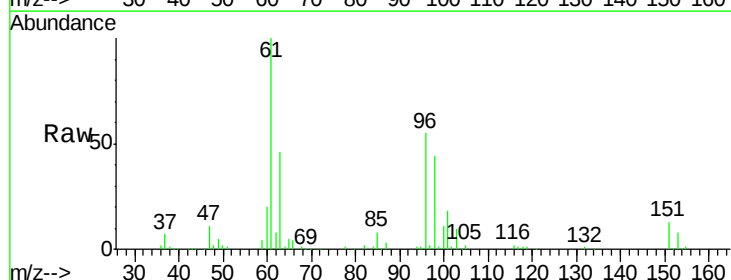
RT: 2.59 min Scan# 390

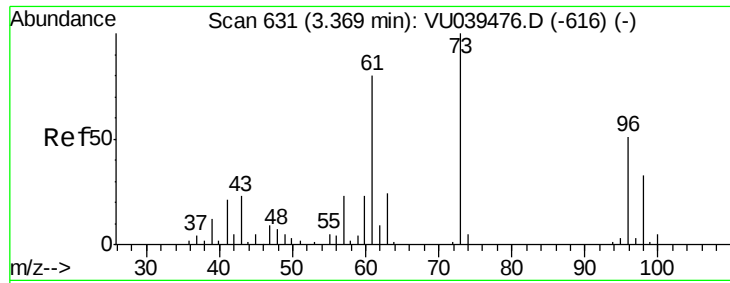
Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tgt Ion:	96	Resp:	78712
Ion Ratio	Lower	Upper	
96	100		
61	183.4	125.4	232.8
63	84.0	92.7	172.3#





#18

trans-1,2-Dichloroethene

Concen: 0.137 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

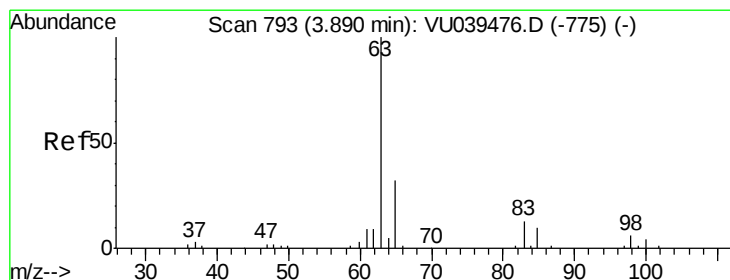
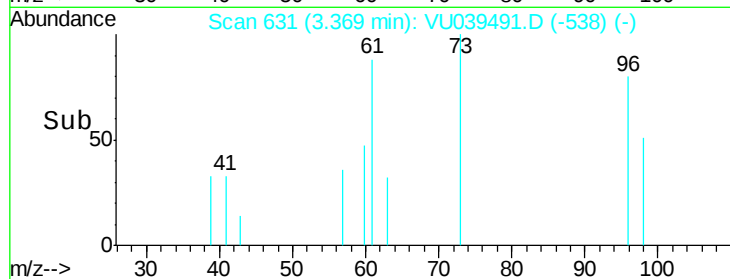
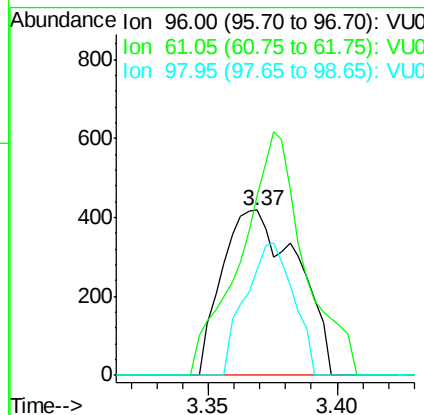
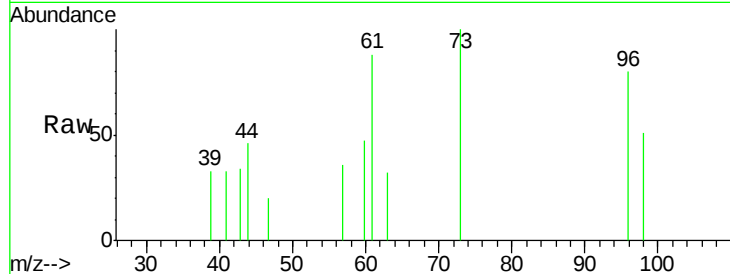
ClientSampled :

BFT88

Tot Ion:	96	Resp:	850
Ion	Ratio	Lower	Upper
96	100		
61	108.8	102.1	189.5
98	63.7	42.5	78.9

Manual Integrations
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#19

1,1-Dichloroethane

Concen: 1.883 ug/L

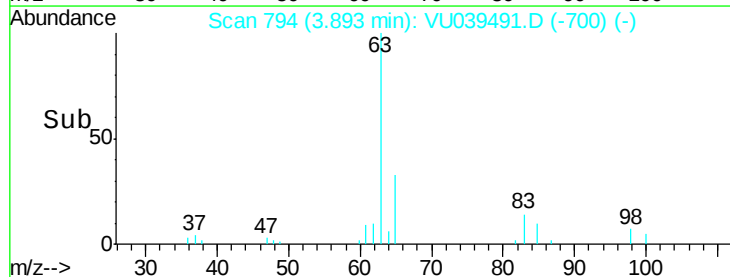
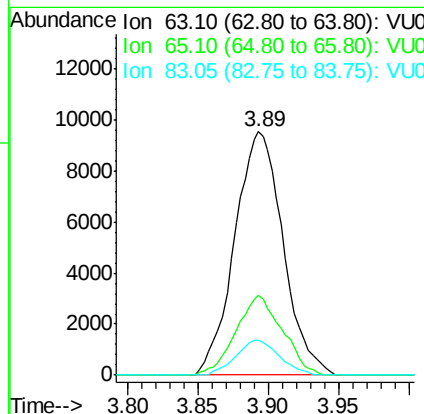
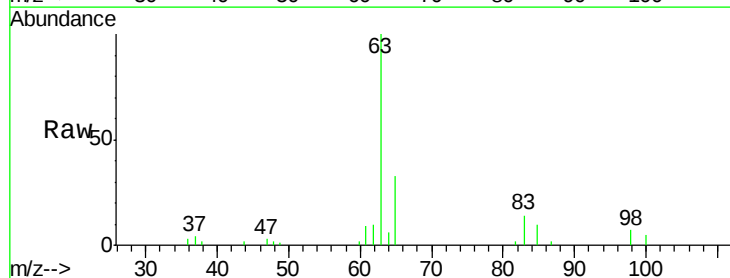
RT: 3.89 min Scan# 794

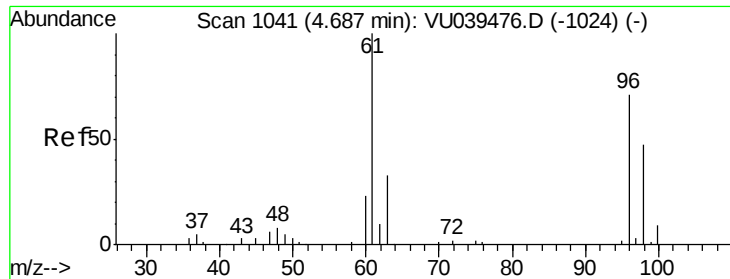
Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tgt Ion:	63	Resp:	22841
Ion	Ratio	Lower	Upper
63	100		
65	32.7	23.0	42.6
83	14.2	9.6	17.8





#22

cis-1,2-Dichloroethene

Concen: 10.348 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

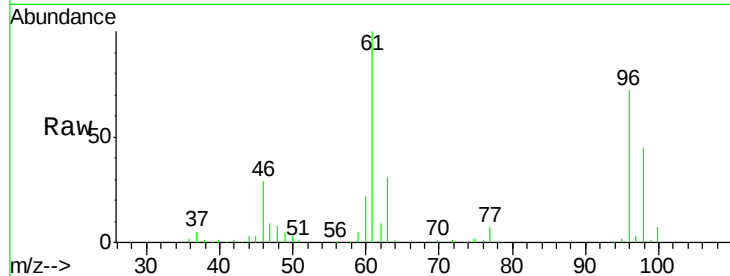
ClientSampleId :

BFT88

Tot Ion:	96	Resp:	71943
Ion	Ratio	Lower	Upper
96	100		
61	138.4	92.8	172.4
68	0.0	0.0	0.0

Manual Integrations
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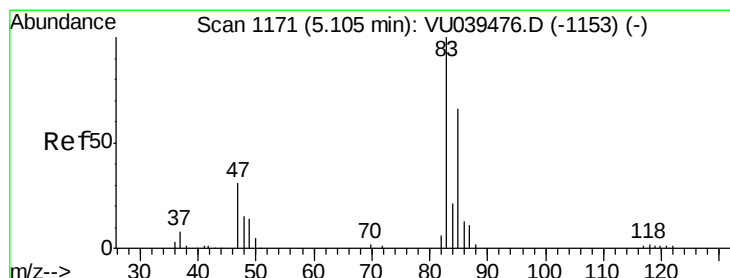
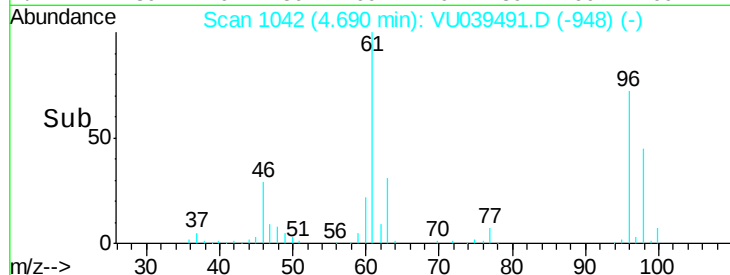
Abundance Ion 96.00 (95.70 to 96.70): VU039491.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039491.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039491.D (-1042) (-)

4.69

Time-->



#25

Chloroform

Concen: 1.296 ug/L

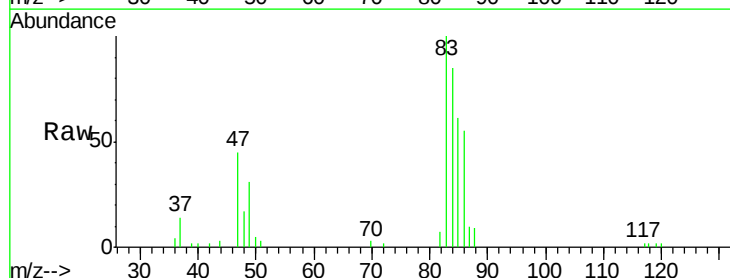
RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tgt Ion:	83	Resp:	15878
Ion	Ratio	Lower	Upper
83	100		
85	60.8	44.9	83.5

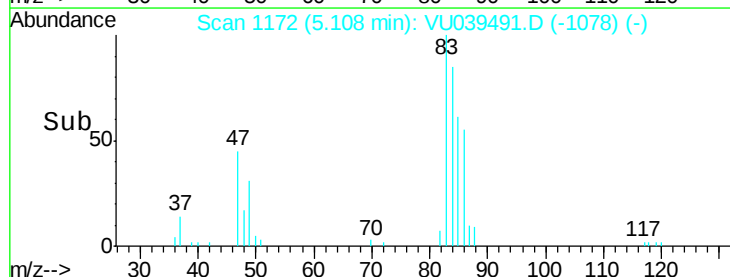


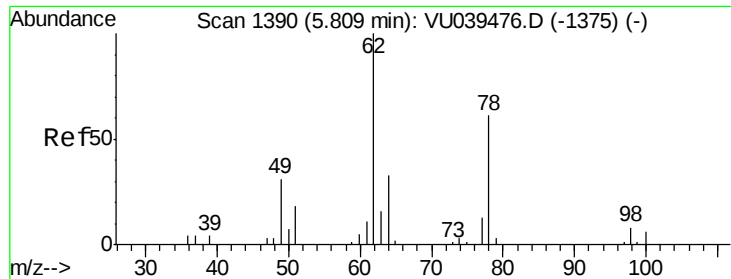
Abundance Ion 83.05 (82.75 to 83.75): VU039491.D (-1172) (-)

Ion 85.00 (84.70 to 85.70): VU039491.D (-1172) (-)

5.11

Time-->





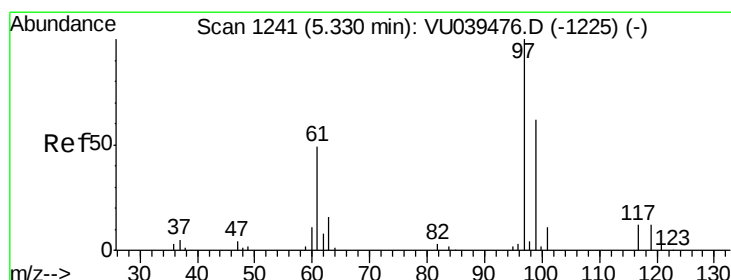
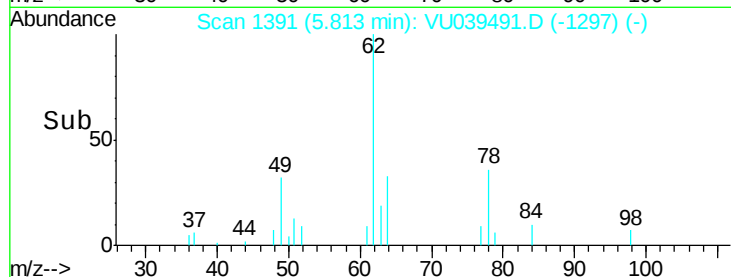
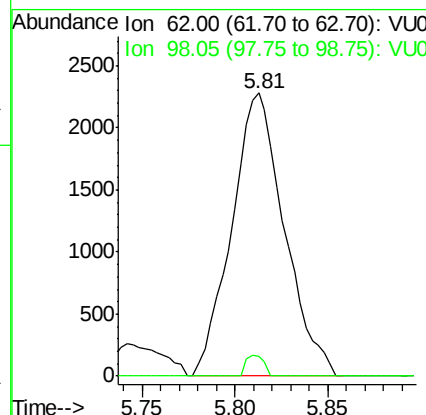
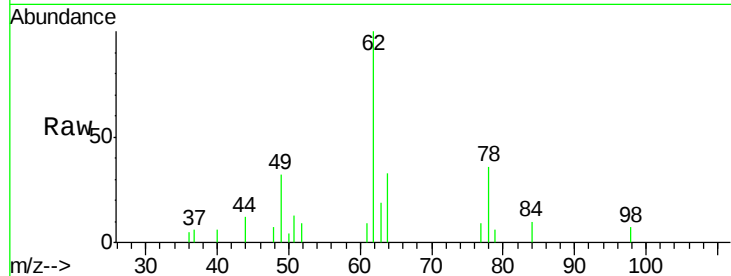
#27
 1,2-Dichloroethane
 Concen: 0.506 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU039491.D
 Acq: 14 Jul 2020 17:48

Instrument :
 MSVOA_U
 ClientSampled :
 BFT88

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.1	6.3	9.5

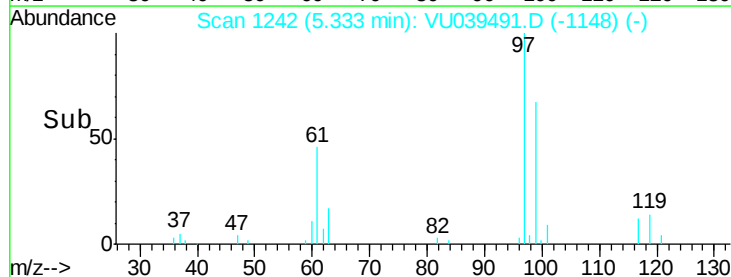
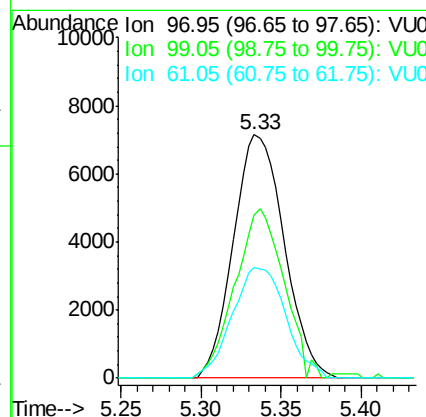
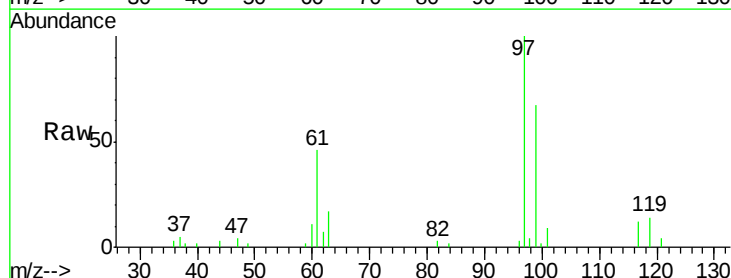
Manual Integrations
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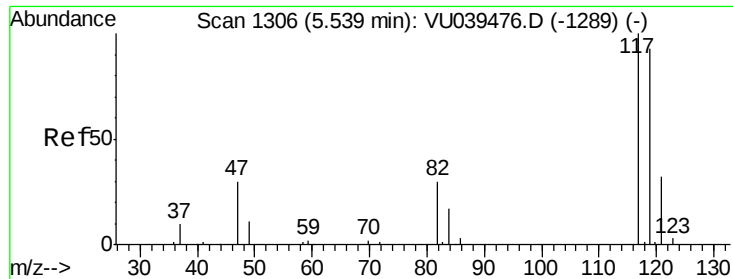
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#29
 1,1,1-Trichloroethane
 Concen: 1.419 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039491.D
 Acq: 14 Jul 2020 17:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	52.6	79.0
61	48.0	37.9	56.9





#31

Carbon tetrachloride

Concen: 0.251 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

BFT88

Tot Ion:117 Resp: 2340

Ion Ratio Lower Upper

117 100

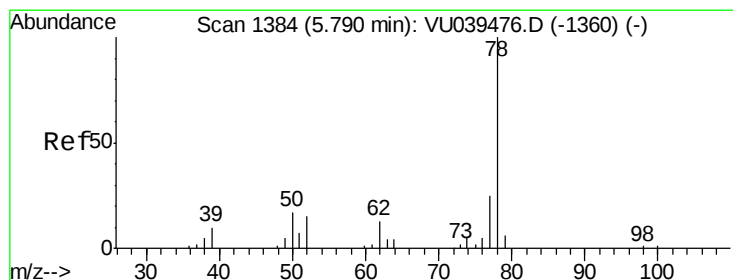
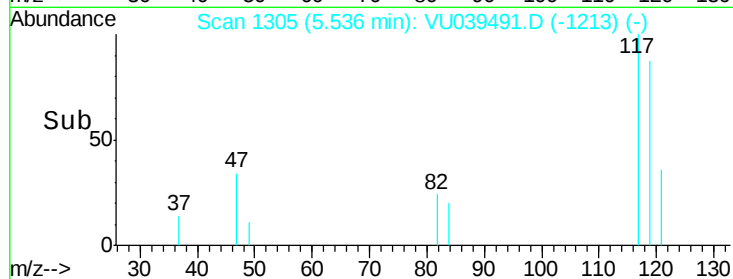
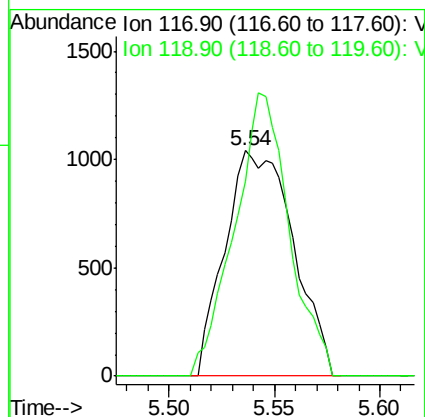
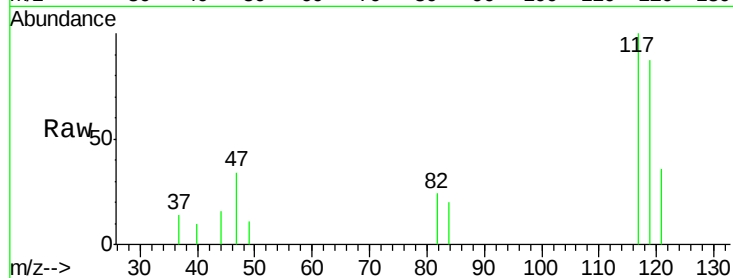
119 100.6 77.4 116.0

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#33

Benzene

Concen: 0.175 ug/L

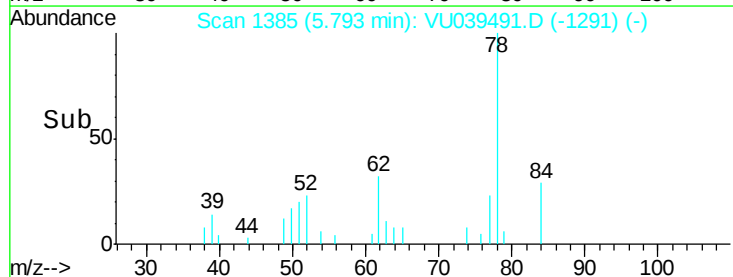
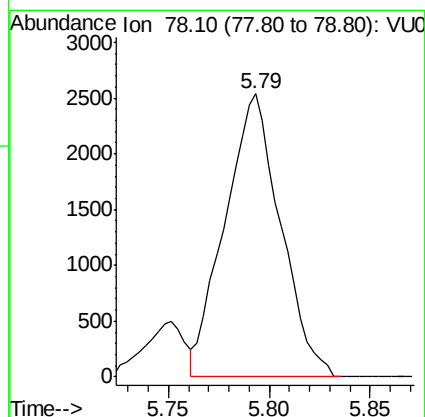
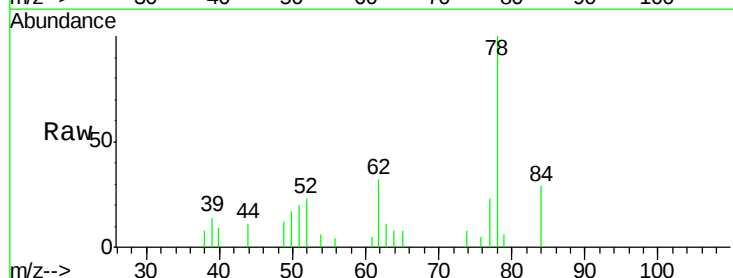
RT: 5.79 min Scan# 1385

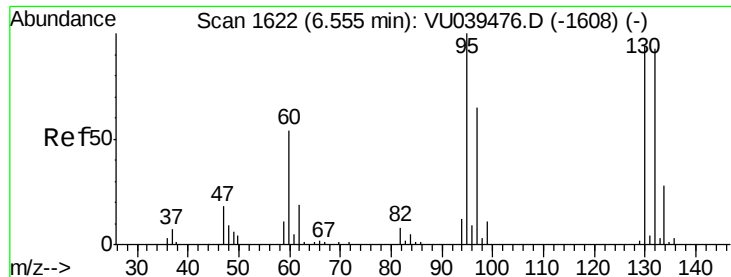
Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tgt Ion: 78 Resp: 4865





#34

Trichloroethene

Concen: 91.313 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Instrument :

MSVOA_U

ClientSampleId :

BFT88

Tot Ion: 95 Resp: 655718

Ion Ratio Lower Upper

95 100

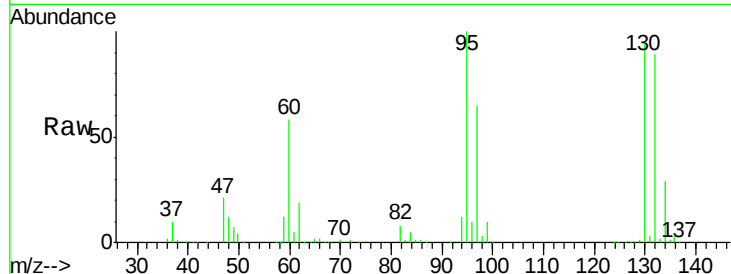
97 64.5 46.3 85.9

132 89.0 64.0 118.8

130 93.9 64.3 119.5

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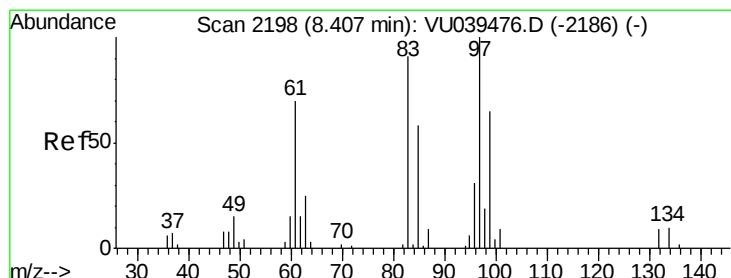
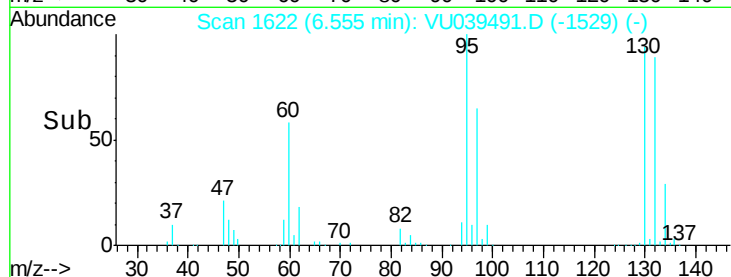
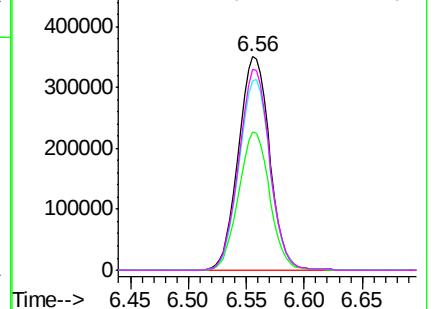
Abundance

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



#45

1,1,2-Trichloroethane

Concen: 0.166 ug/L m

RT: 8.41 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU039491.D

Acq: 14 Jul 2020 17:48

Tgt Ion: 97 Resp: 901

Ion Ratio Lower Upper

97 100

99 49.9 40.7 75.7

83 87.7 60.6 112.6

85 78.4 38.3 71.1#

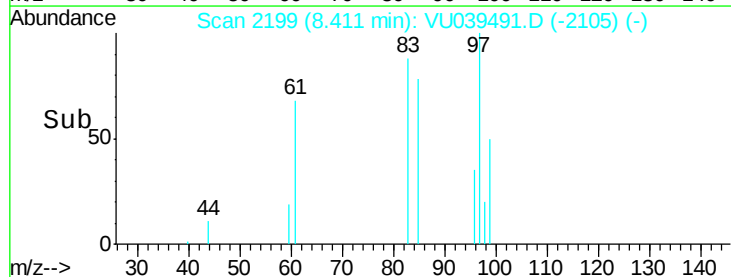
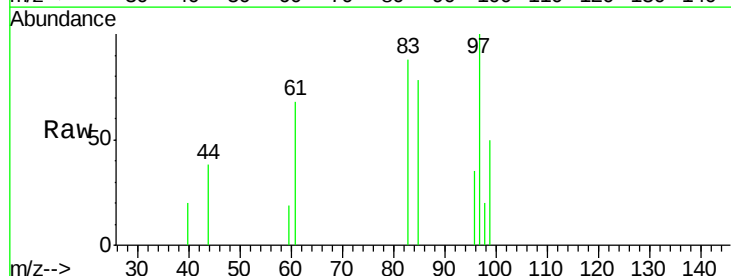
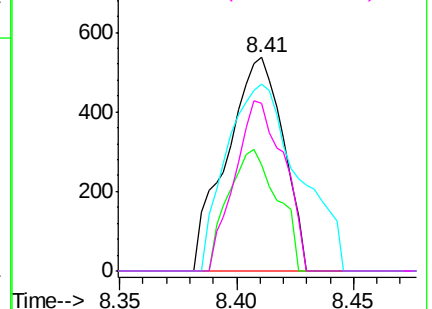
Abundance

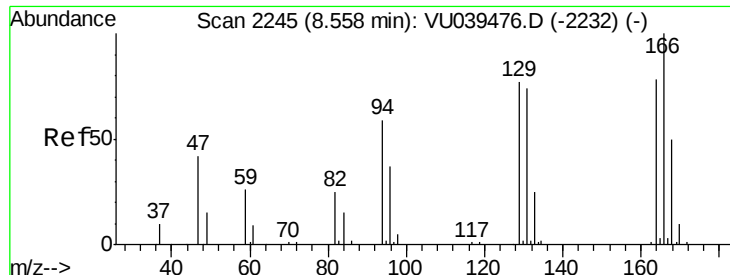
Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





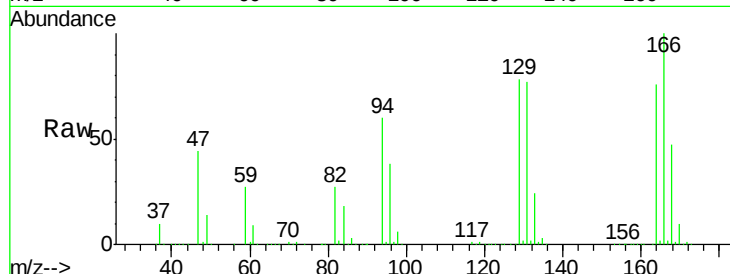
#47
Tetrachloroethene
Concen: 633.448 ug/L
RT: 8.56 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VU039491.D
Acq: 14 Jul 2020 17:48

Instrument :
MSVOA_U
ClientSampleId :
BFT88

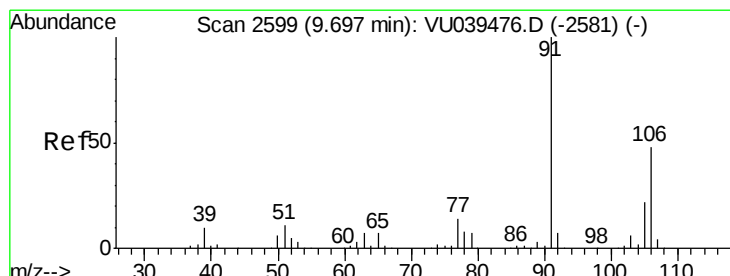
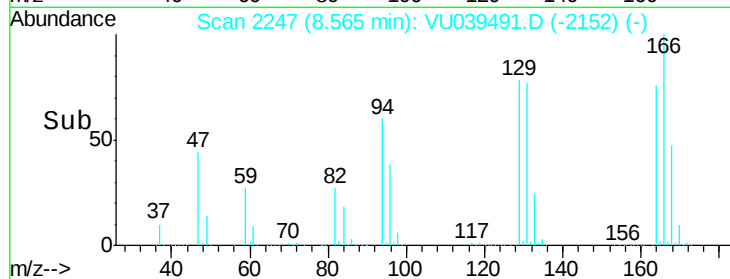
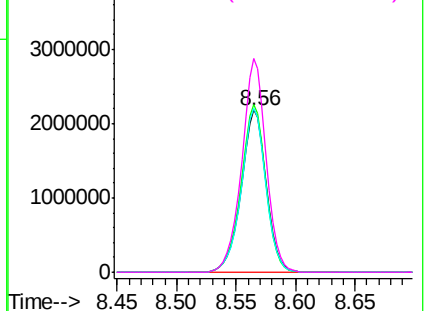
Tot Ion:164 Resp: 3164077
Ion Ratio Lower Upper
164 100
129 103.2 68.6 127.4
131 101.1 66.4 123.4
166 131.7 85.9 159.5

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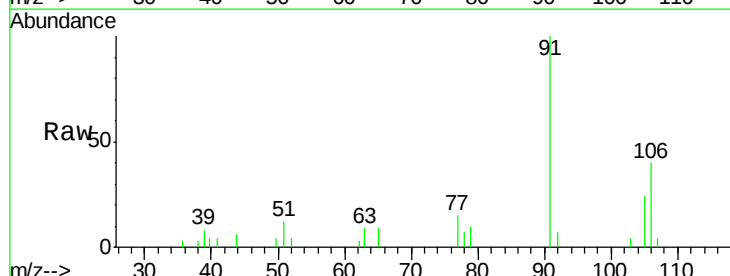


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

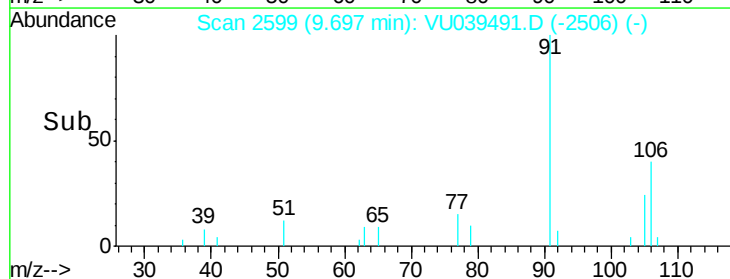
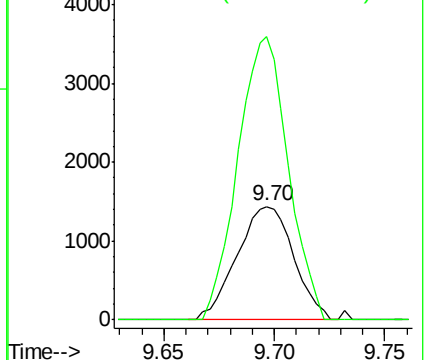


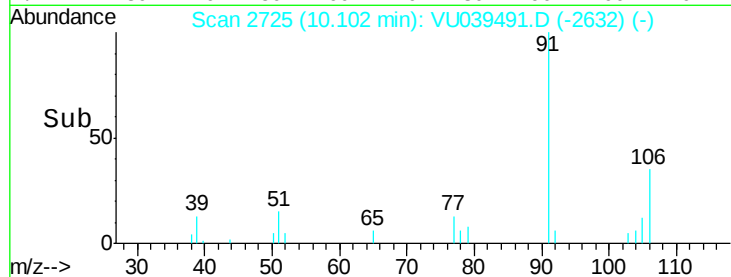
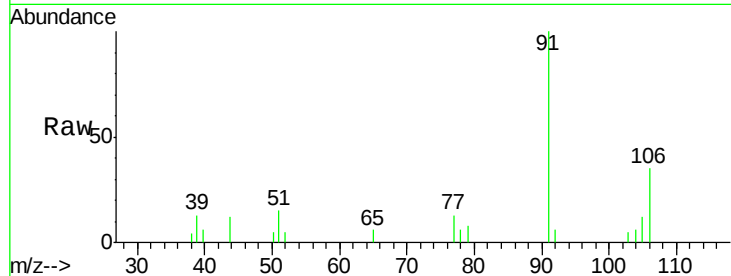
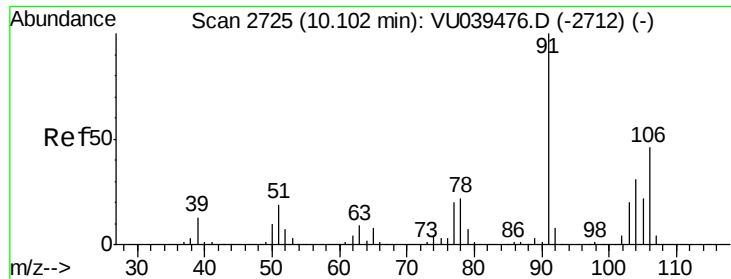
#53
m,p-Xylene
Concen: 0.207 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039491.D
Acq: 14 Jul 2020 17:48

Tgt Ion:106 Resp: 2568
Ion Ratio Lower Upper
106 100
91 250.1 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): V





#54
o-Xylene
Concen: 0.113 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039491.D
Acq: 14 Jul 2020 17:48

Tot Ion	Ratio	Lower	Upper
106	100		
91	282.1	154.6	287.2

Instrument :
MSVOA_U
ClientSampled :
BFT88

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