

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041957.D
 Acq On : 12 Jan 2021 06:11
 Operator : SY/MD
 Sample : M1027-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN8

Manual Integrations
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 1/15/2021 11:52:52 AM

Quant Time: Jan 12 07:51:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116062	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105408	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44846	5.00	ug/L	0.00

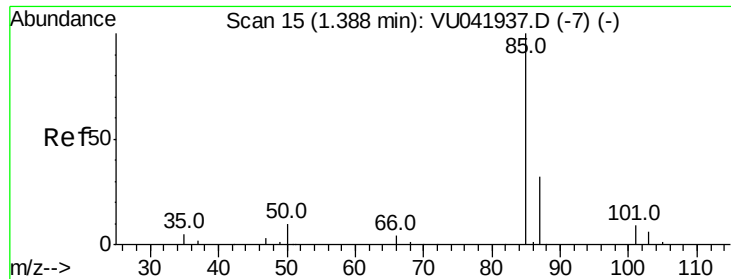
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48327	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.92	69	47567	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.58	63	74427	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.66	46	185659	68.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	136.58%#
24) Chloroform-d	5.08	84	97538	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	57811	6.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.00%
32) Benzene-d6	5.74	84	188711	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
36) 1,2-Dichloropropane-d6	6.70	67	58339	5.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.20%
41) Toluene-d8	7.90	98	146407	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.19	79	23321	5.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.20%
46) 2-Hexanone-d5	8.64	63	143815	69.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.22%#
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52344	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	48336	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	961	0.086	ug/L	92
3) Chloromethane	1.52	50	627	0.051	ug/L	88
9) Trichlorofluoromethane	2.15	101	19874	1.162	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1646	0.177	ug/L #	73
13) Acetone	2.67	43	3199m	1.812	ug/L	
17) Methyl tert-butyl Ether	3.38	73	8208	0.378	ug/L	96
19) 1,1-Dichloroethane	3.89	63	1399	0.085	ug/L #	85
22) cis-1,2-Dichloroethene	4.68	96	10865	1.157	ug/L	87
25) Chloroform	5.11	83	3972	0.231	ug/L #	60
31) Carbon tetrachloride	5.54	117	2890	0.243	ug/L	94
34) Trichloroethene	6.55	95	309916	34.753	ug/L	95
47) Tetrachloroethene	8.56	164	69614	11.219	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.086 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041957.D

Acq: 12 Jan 2021 06:11

Tot Ion: 85 Resp: 961

Ion Ratio Lower Upper

85 100

87 37.5 26.3 39.5

Instrument :

MSVOA_U

ClientSampled :

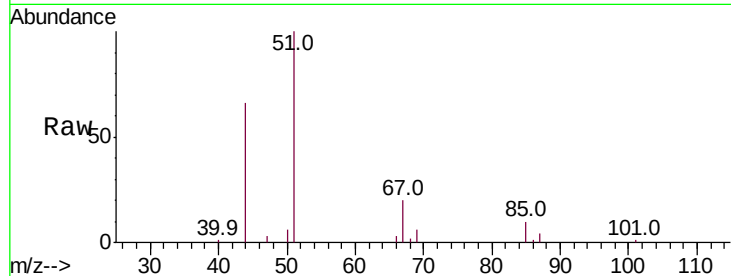
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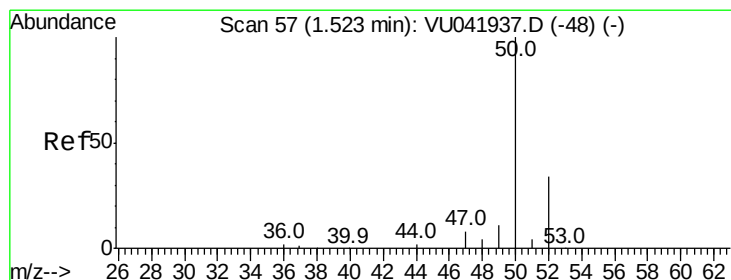
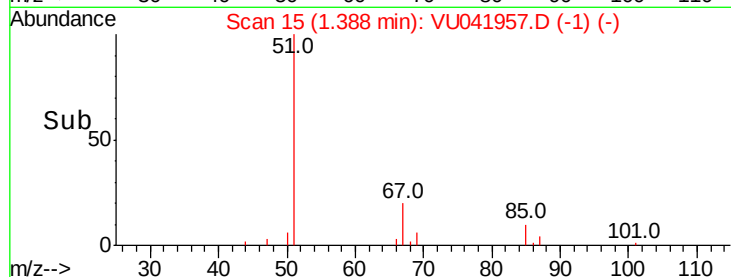
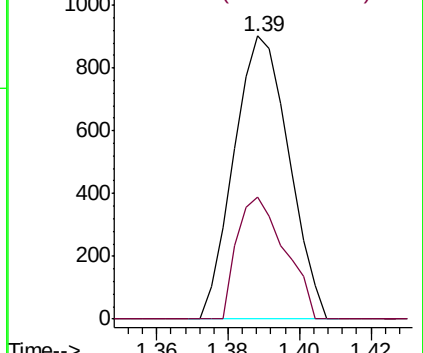
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Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.051 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041957.D

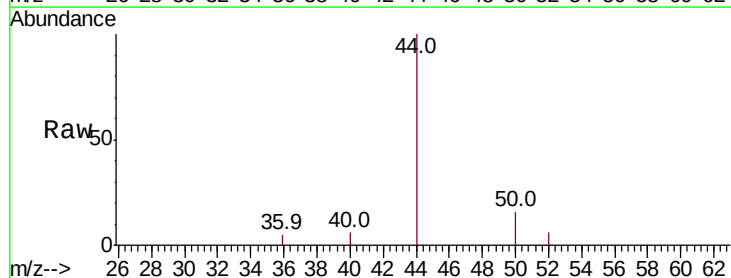
Acq: 12 Jan 2021 06:11

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

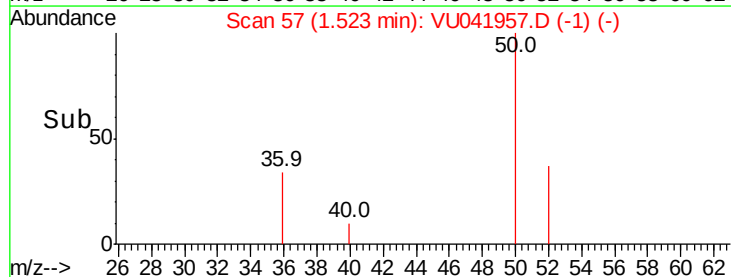
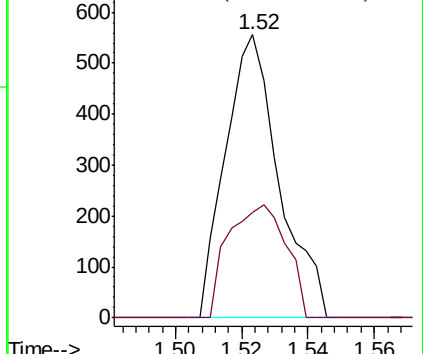
50 100

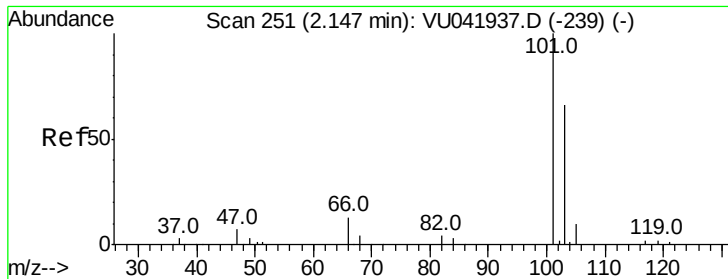
52 37.2 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#9

Trichlorofluoromethane

Concen: 1.162 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU041957.D

Acq: 12 Jan 2021 06:11

Instrument :

MSVOA_U

ClientSampleId :

BFXN8

Tot Ion:101 Resp: 19874

Ion Ratio Lower Upper

101 100

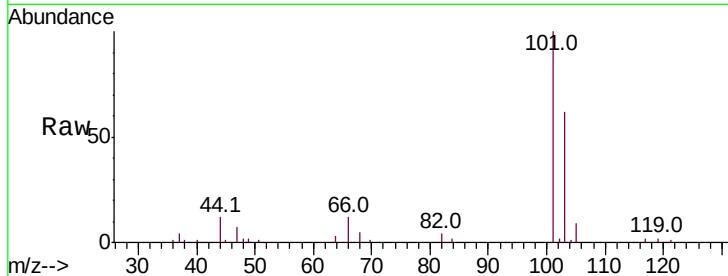
103 63.1 51.3 76.9

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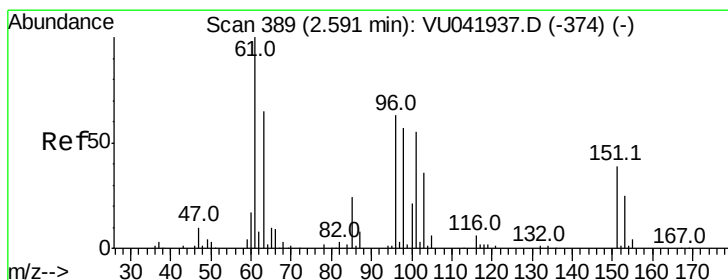
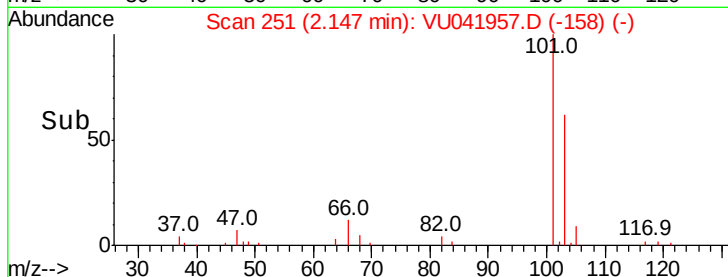
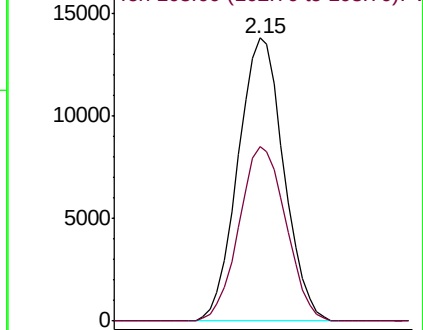
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.177 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041957.D

Acq: 12 Jan 2021 06:11

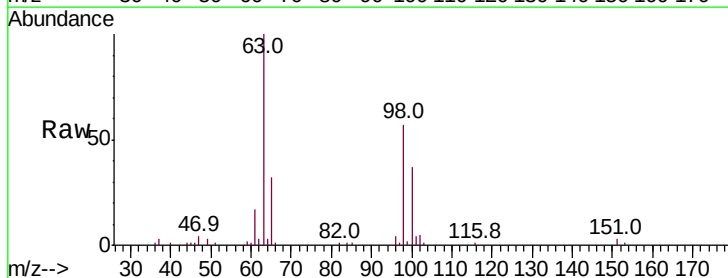
Tgt Ion:101 Resp: 1646

Ion Ratio Lower Upper

101 100

85 26.0 35.1 52.7#

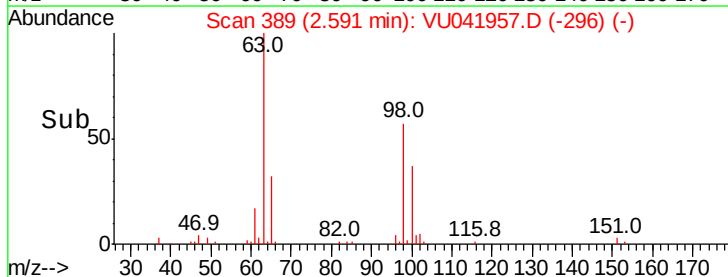
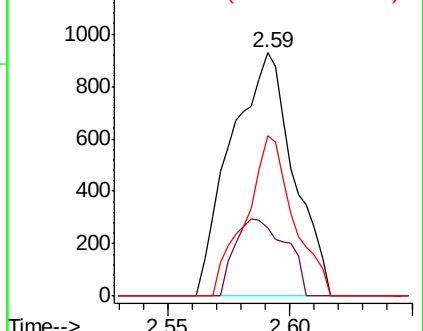
151 50.1 58.2 87.2#

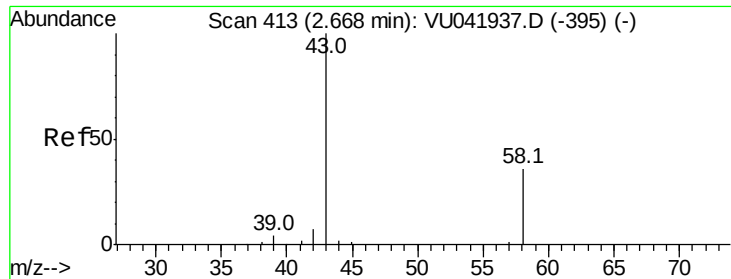


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.812 ug/L m

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU041957.D

Acq: 12 Jan 2021 06:11

Instrument :

MSVOA_U

ClientSampleId :

BFXN8

Tot Ion: 43 Resp: 3199

Ion Ratio Lower Upper

43 100

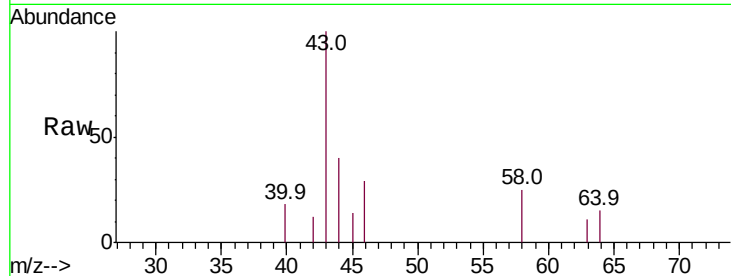
58 14.3 0.0 23.6

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Abundance Ion 43.05 (42.75 to 43.75): VU041937.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041937.D (-395) (-)

1200

1000

800

600

400

200

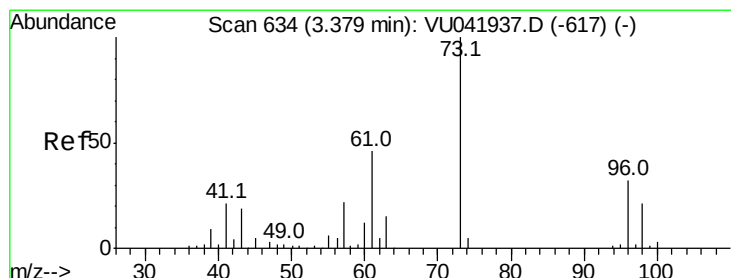
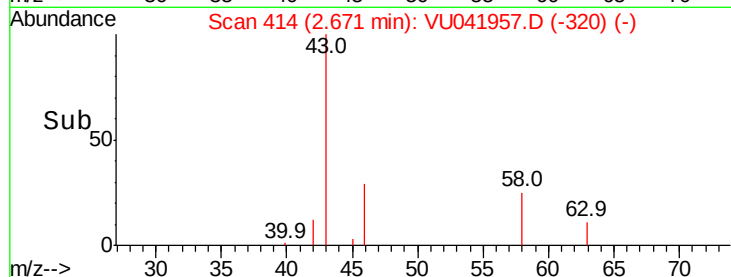
0

2.60

2.65

2.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.378 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041957.D

Acq: 12 Jan 2021 06:11

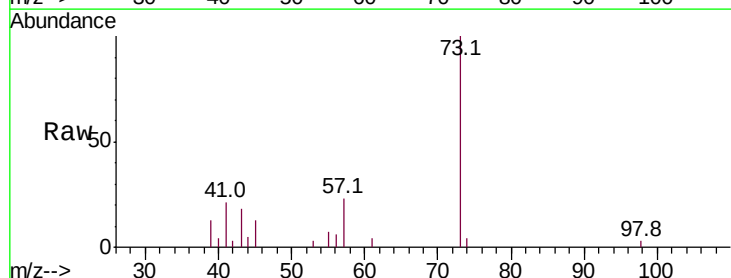
Tgt Ion: 73 Resp: 8208

Ion Ratio Lower Upper

73 100

43 22.1 15.8 23.8

57 23.9 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU041937.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU041937.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU041937.D (-617) (-)

4000

3000

2000

1000

0

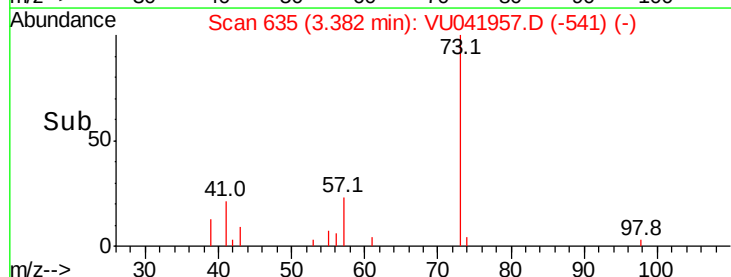
3.30

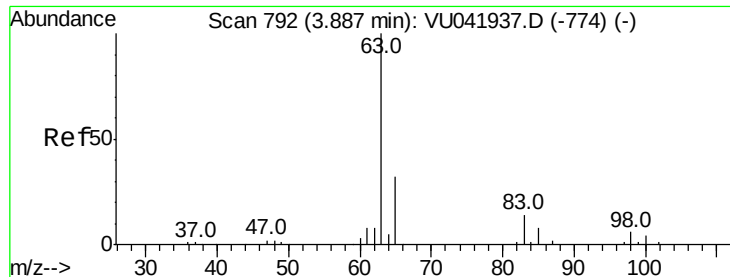
3.35

3.40

3.45

Time-->





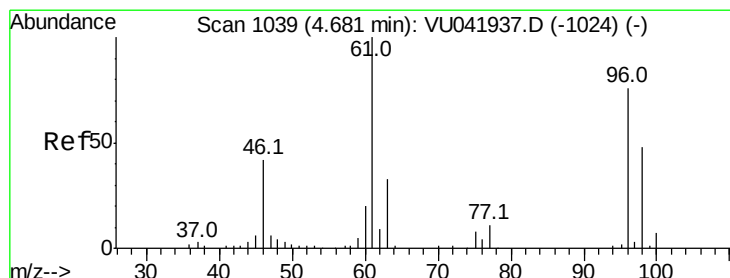
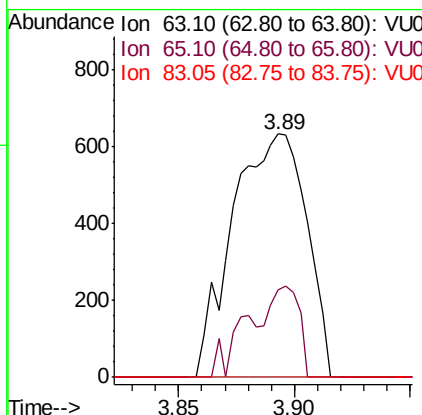
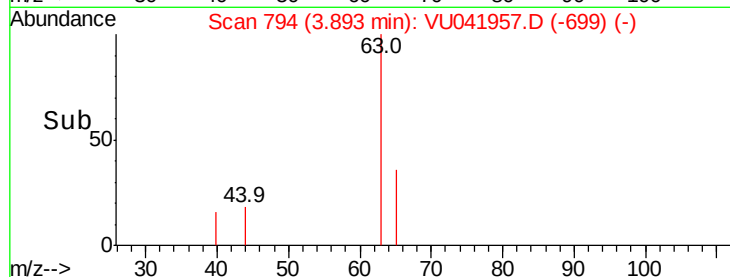
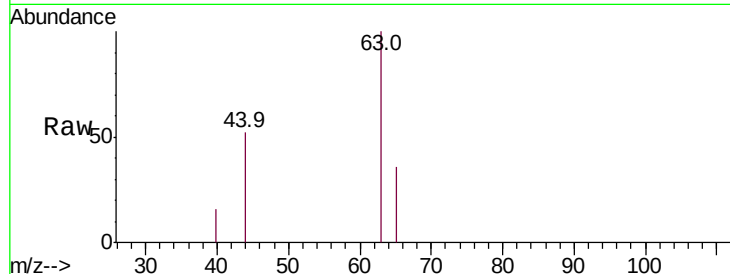
#19
 1,1-Dichloroethane
 Concen: 0.085 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU041957.D
 Acq: 12 Jan 2021 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXN8

Tot Ion	Ratio	Lower	Upper
63	100		
65	36.0	22.3	41.5
83	0.0	9.0	16.8#

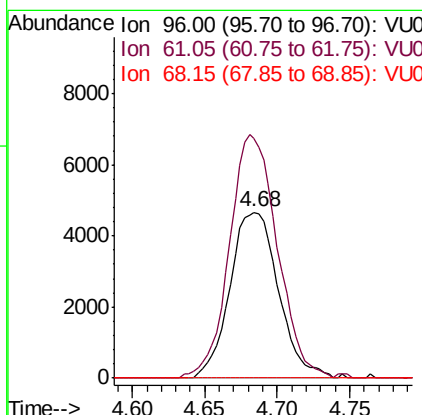
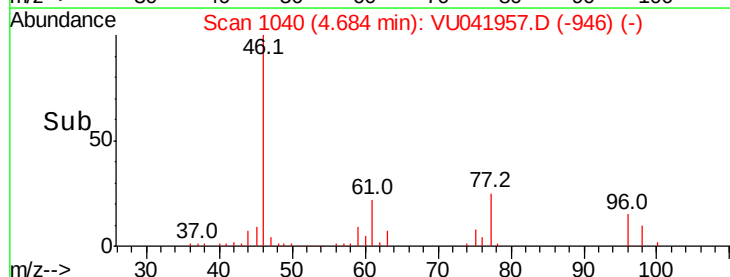
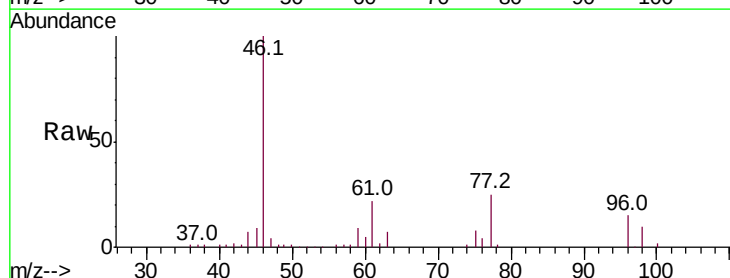
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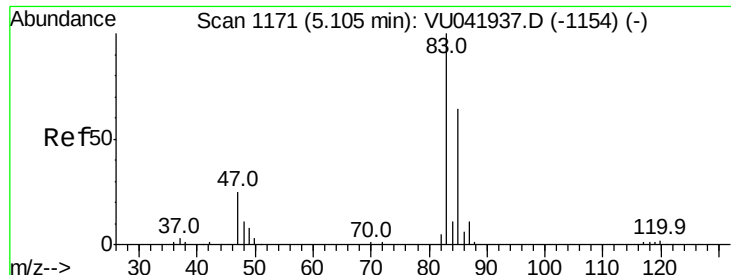
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#22
 cis-1,2-Dichloroethene
 Concen: 1.157 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041957.D
 Acq: 12 Jan 2021 06:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	90.3	167.7
68	0.0	0.0	0.0





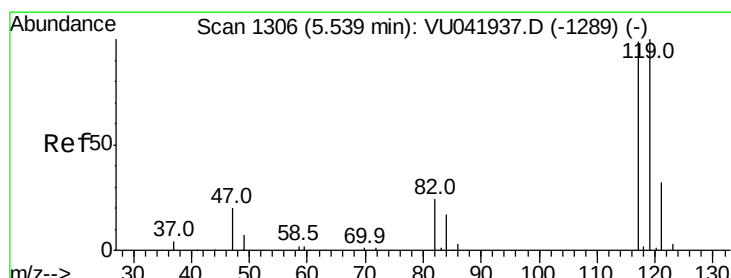
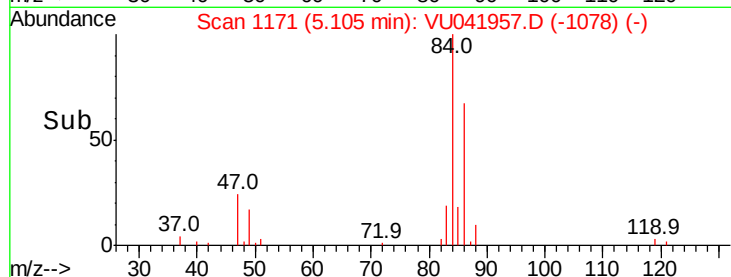
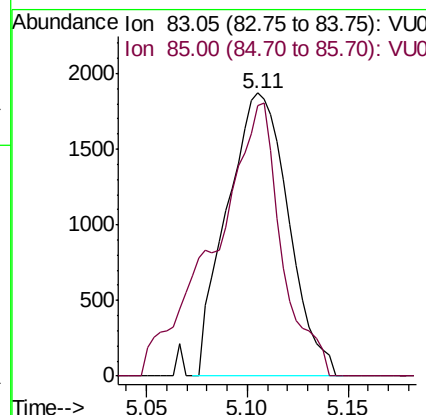
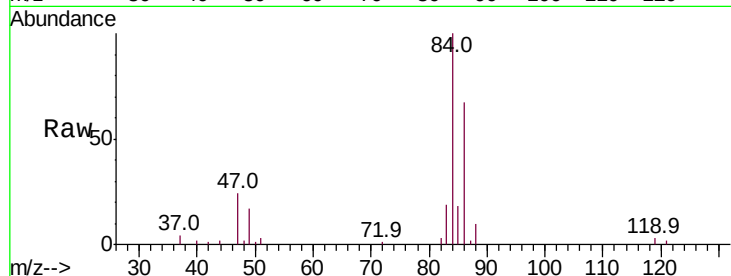
#25
Chloroform
Concen: 0.231 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041957.D
Acq: 12 Jan 2021 06:11

Instrument :
MSVOA_U
ClientSampleId :
BFXN8

Tot Ion: 83 Resp: 3972
Ion Ratio Lower Upper
83 100
85 95.6 45.1 83.9#

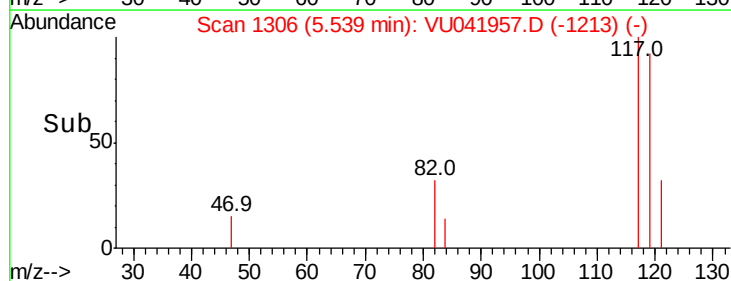
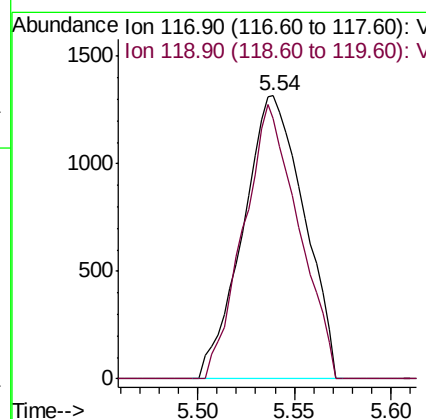
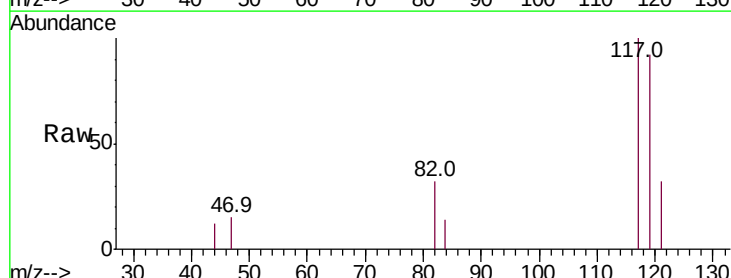
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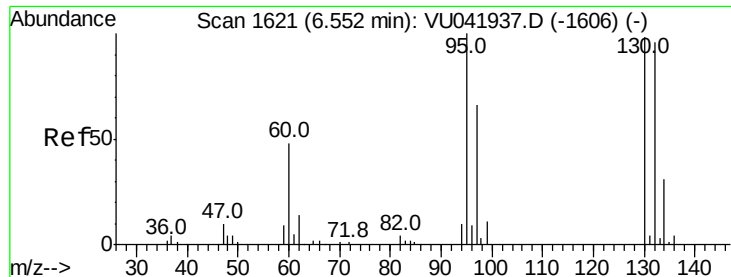
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#31
Carbon tetrachloride
Concen: 0.243 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041957.D
Acq: 12 Jan 2021 06:11

Tgt Ion: 117 Resp: 2890
Ion Ratio Lower Upper
117 100
119 87.5 75.0 112.4





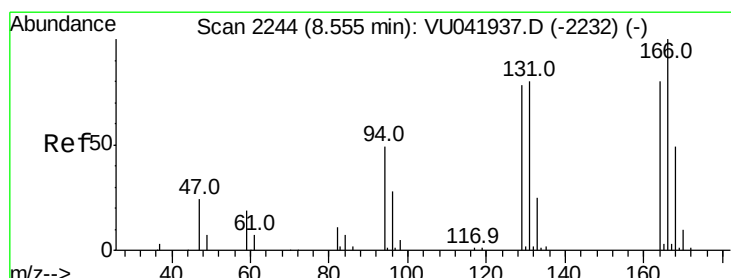
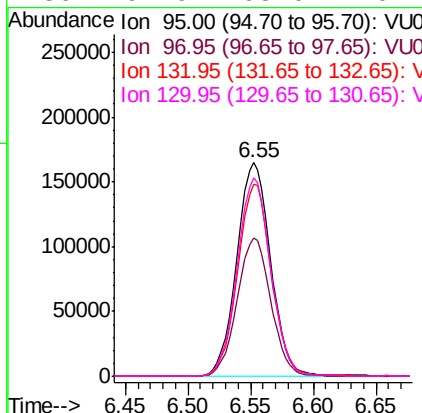
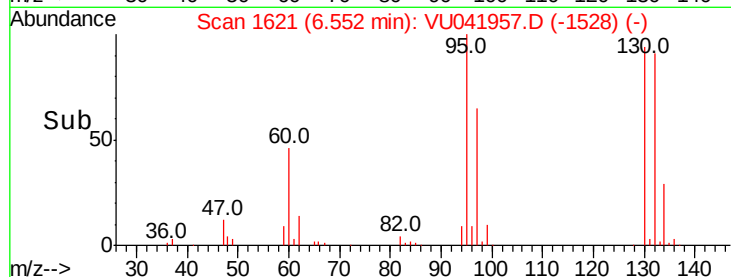
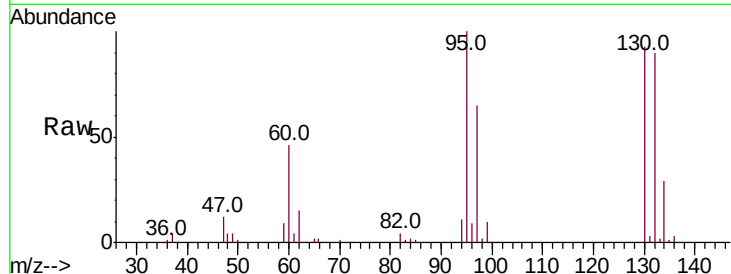
#34
 Trichloroethene
 Concen: 34.753 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041957.D
 Acq: 12 Jan 2021 06:11

Instrument :
 MSVOA_U
 ClientSampleID :
 BFXN8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		309916		
97	64.7	45.2		84.0	
132	90.1	68.7		127.5	
130	92.9	68.0		126.4	

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#47
 Tetrachloroethene
 Concen: 11.219 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041957.D
 Acq: 12 Jan 2021 06:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		69614		
129	100.8	69.2		128.6	
131	94.4	69.7		129.5	
166	125.7	89.2		165.8	

