

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111020\
 Data File : VU041179.D
 Acq On : 10 Nov 2020 15:32
 Operator : SY/MD
 Sample : L4646-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W4

Quant Time: Nov 11 04:20:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 00:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59623	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	58541	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14125	2.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	56.40%
7) Chloroethane-d5	1.92	69	13318	3.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.20%
11) 1,1-Dichloroethene-d2	2.58	63	22922	2.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.60%#
20) 2-Butanone-d5	4.65	46	78285	47.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.92%
24) Chloroform-d	5.08	84	39439	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.72	65	25701	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.74	84	65749	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.70	67	24037	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	53674	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.60%
43) trans-1,3-Dichloropropene-	8.19	79	8963	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	56612	47.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21762	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	24084	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

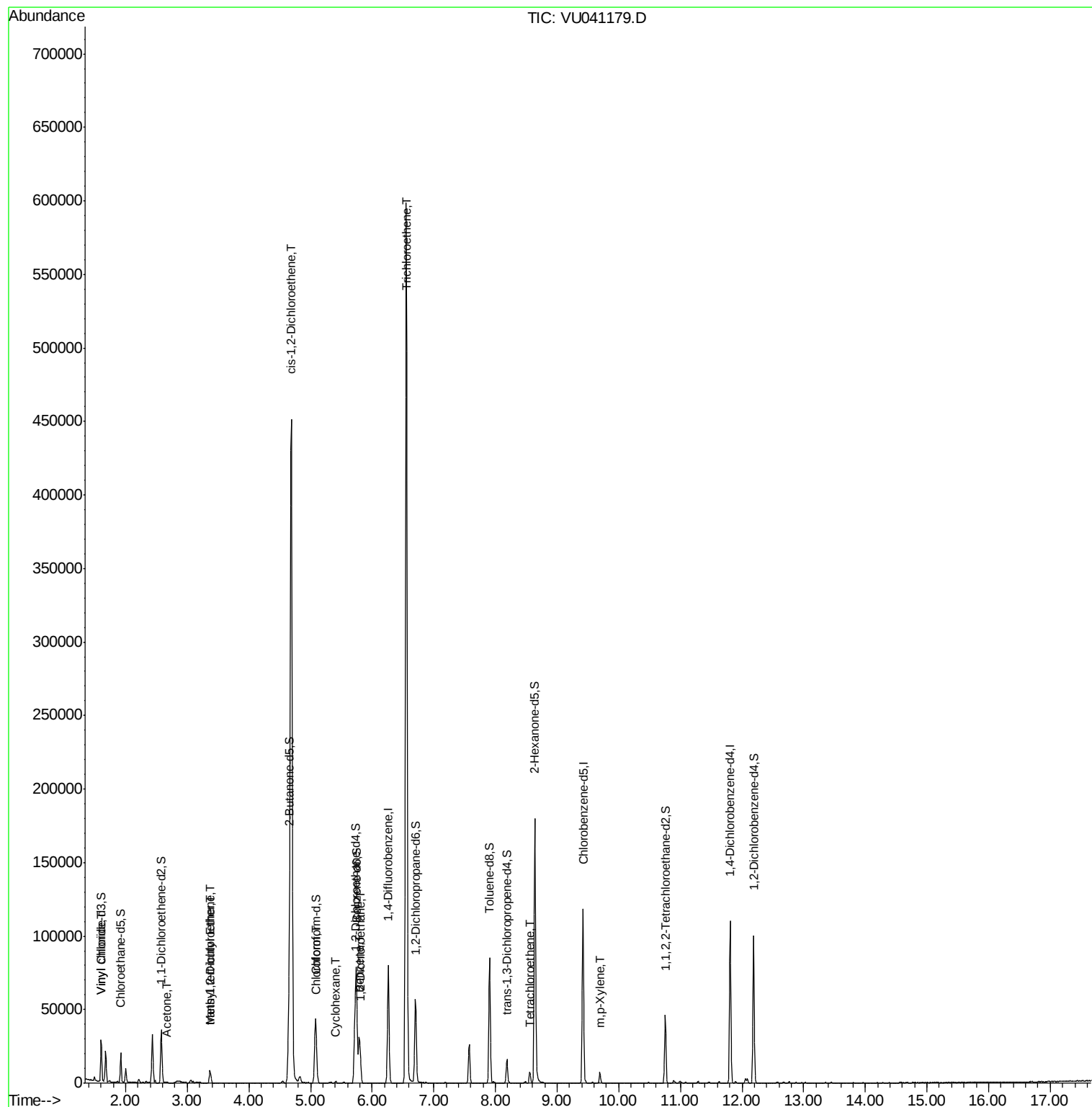
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2058	0.368	ug/L #	77
13) Acetone	2.66	43	1663	1.475	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	1293	0.119	ug/L #	59
18) trans-1,2-Dichloroethene	3.37	96	2814	0.657	ug/L	88
22) cis-1,2-Dichloroethene	4.69	96	213314	48.317	ug/L	100
25) Chloroform	5.11	83	2663	0.310	ug/L	87
27) 1,2-Dichloroethane	5.81	62	8682	1.358	ug/L #	91
30) Cyclohexane	5.40	56	692	0.098	ug/L #	73
33) Benzene	5.79	78	25853	1.478	ug/L	100
34) Trichloroethene	6.56	95	195511	43.920	ug/L	99
47) Tetrachloroethene	8.56	164	1495	0.457	ug/L	92
53) m,p-Xylene	9.69	106	1881	0.276	ug/L	72

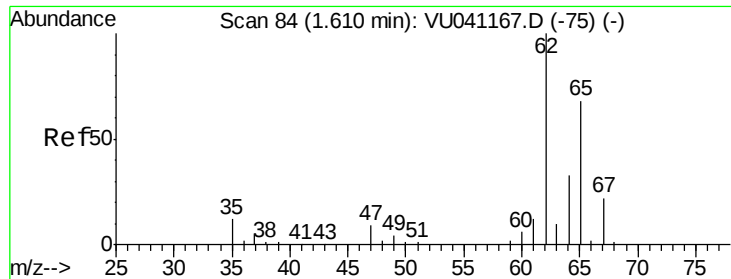
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041179.D

Acq: 10 Nov 2020 15:32

Instrument :

MSVOA_U

ClientSampled :

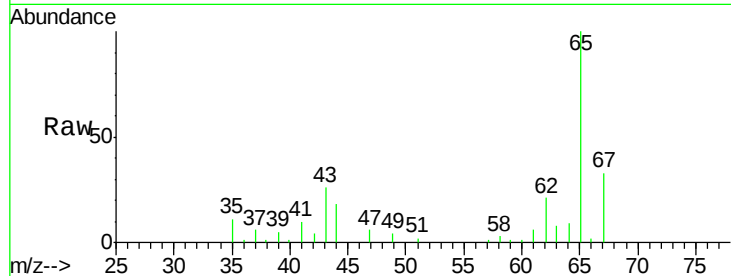
GB0W4

Tot Ion: 62 Resp: 2058

Ion Ratio Lower Upper

62 100

64 45.2 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

1500

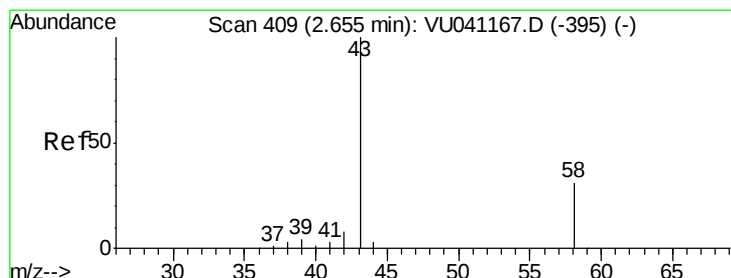
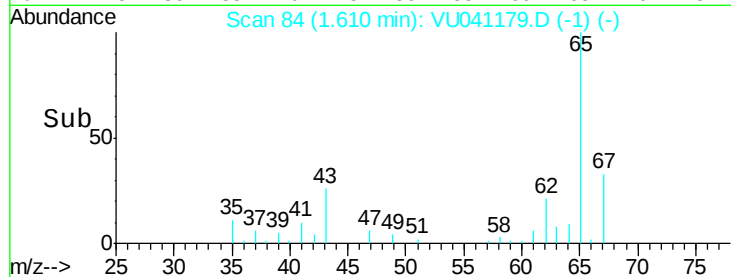
1000

500

0

1.58 1.60 1.62 1.64

Time-->



#13

Acetone

Concen: 1.475 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041179.D

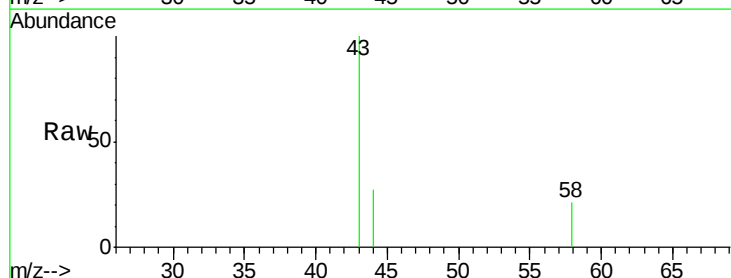
Acq: 10 Nov 2020 15:32

Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

43 100

58 13.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

600

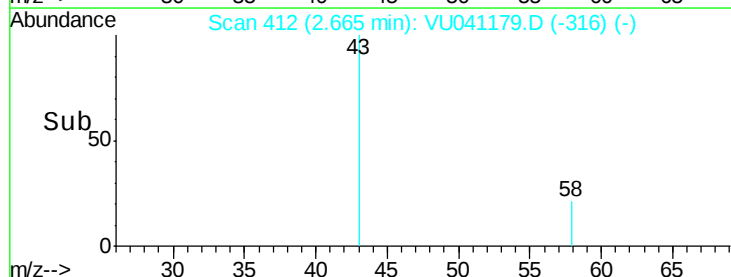
400

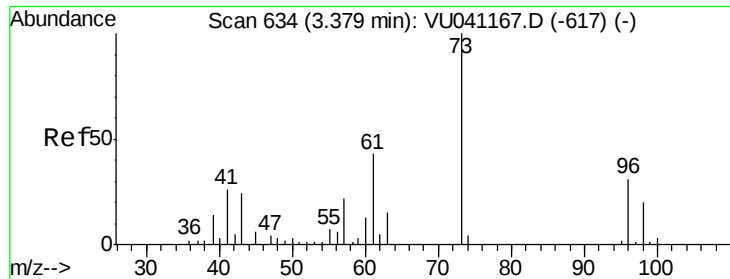
200

0

2.60 2.65 2.70

Time-->

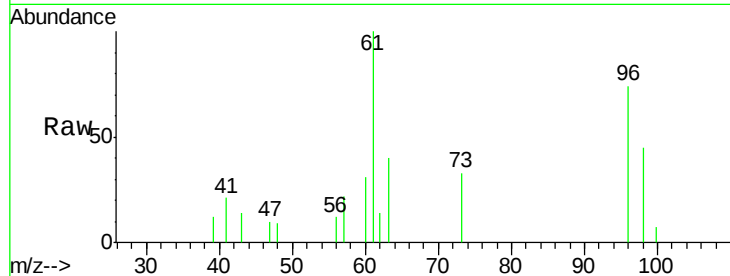




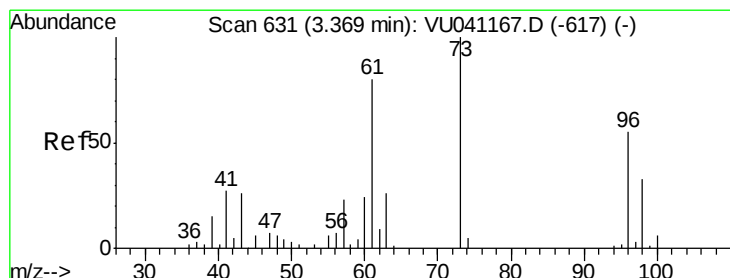
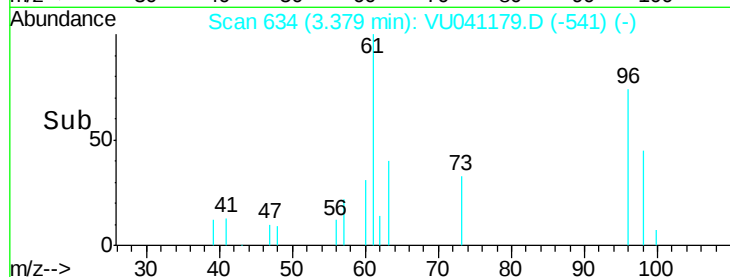
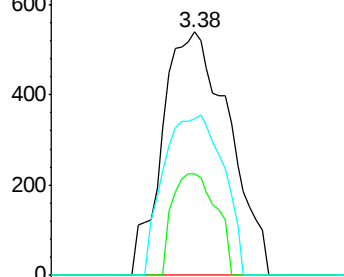
#17
Methvl tert-butvl Ether
Concen: 0.119 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041179.D
Acq: 10 Nov 2020 15:32

Instrument :
MSVOA_U
ClientSampleId :
GB0W4

Tot Ion: 73 Resp: 1293
Ion Ratio Lower Upper
73 100
43 27.1 18.5 27.7
57 58.9 18.4 27.6#

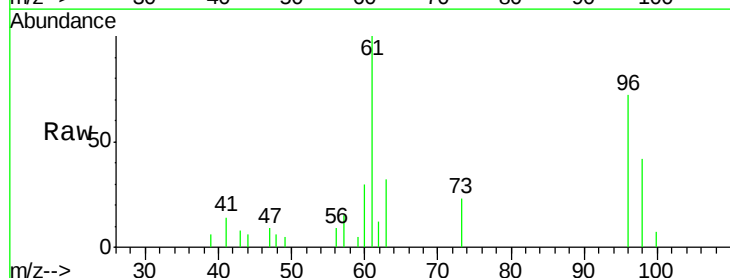


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

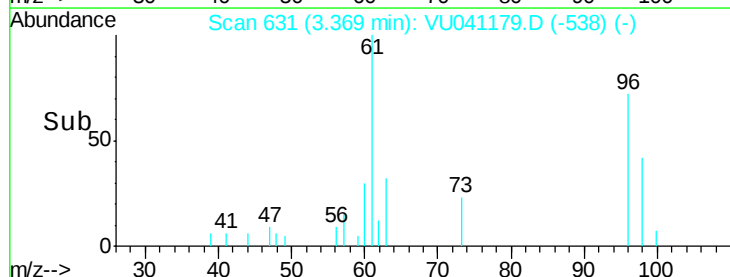
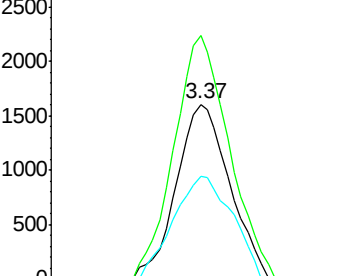


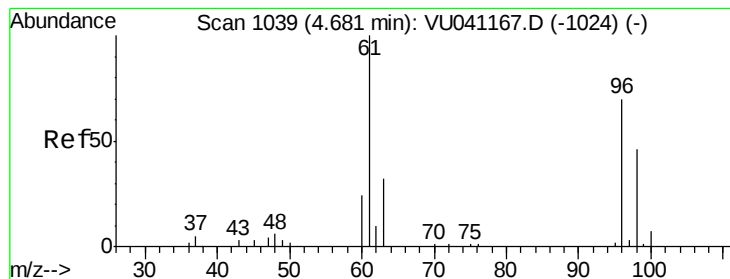
#18
trans-1,2-Dichloroethene
Concen: 0.657 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041179.D
Acq: 10 Nov 2020 15:32

Tgt Ion: 96 Resp: 2814
Ion Ratio Lower Upper
96 100
61 139.4 110.9 205.9
98 58.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 48.317 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041179.D

Acq: 10 Nov 2020 15:32

Instrument :

MSVOA_U

ClientSampleId :

GB0W4

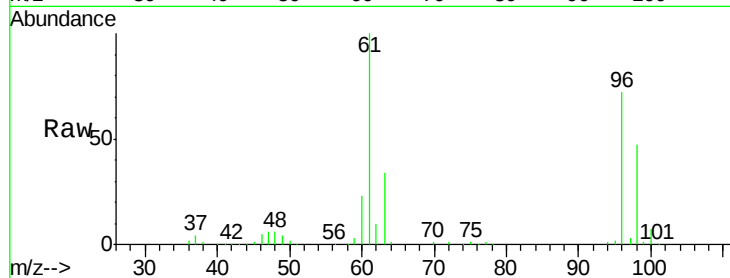
Tot Ion: 96 Resp: 213314

Ion Ratio Lower Upper

96 100

61 139.2 97.2 180.4

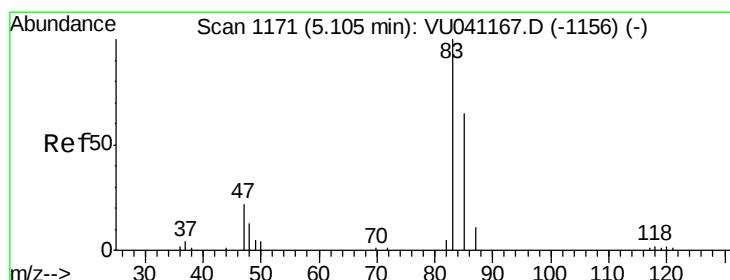
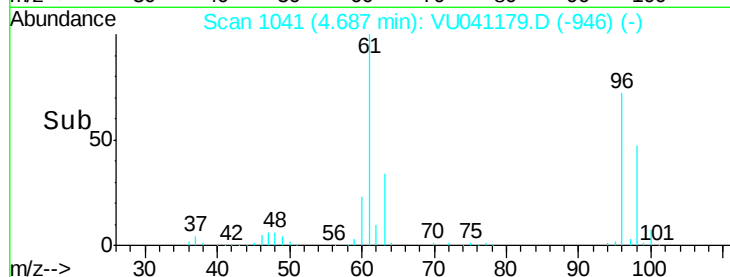
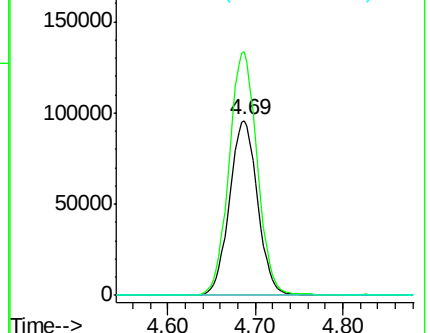
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041179.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041179.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041179.D (-1024) (-)



#25

Chloroform

Concen: 0.310 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU041179.D

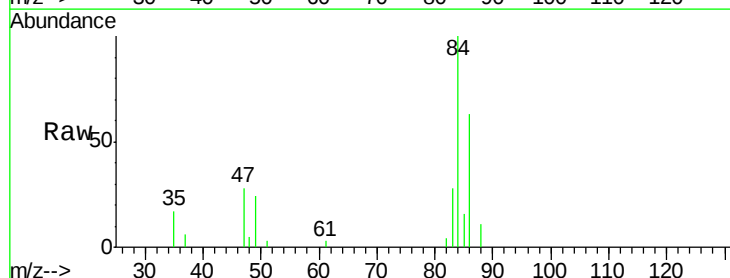
Acq: 10 Nov 2020 15:32

Tgt Ion: 83 Resp: 2663

Ion Ratio Lower Upper

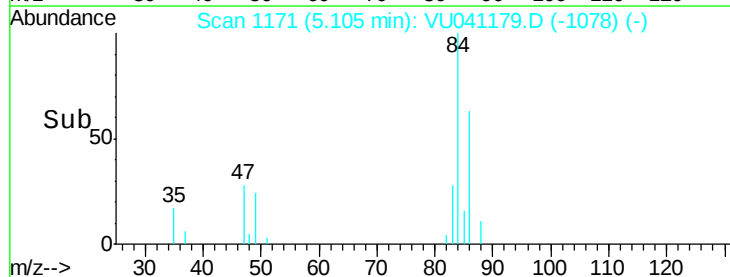
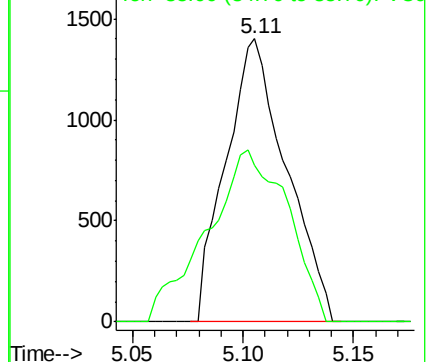
83 100

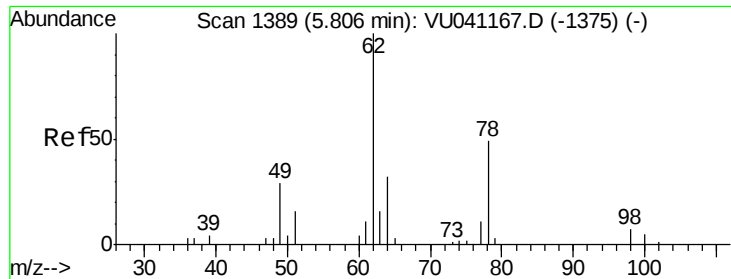
85 55.2 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041179.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU041179.D (-1156) (-)

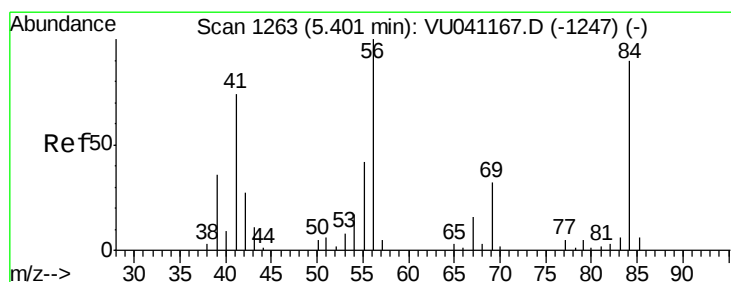
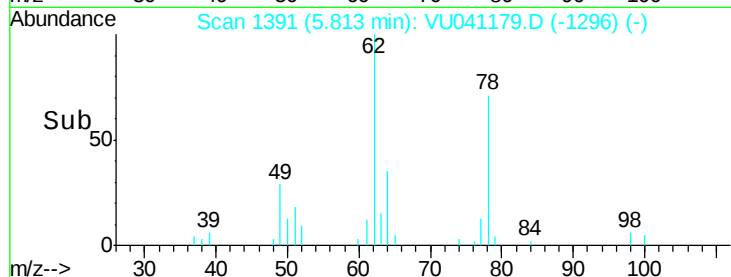
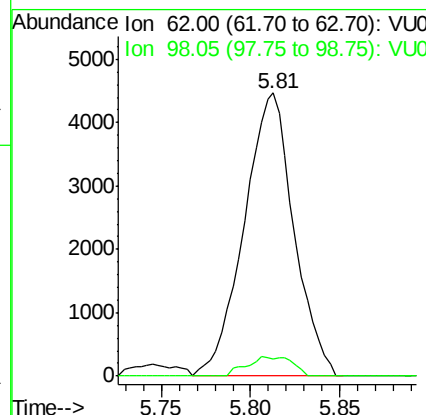
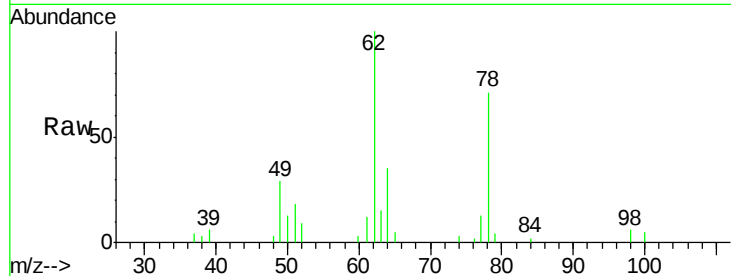




#27
 1,2-Dichloroethane
 Concen: 1.358 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VU041179.D
 Acq: 10 Nov 2020 15:32

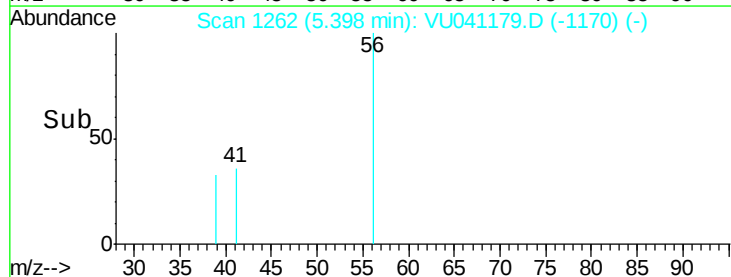
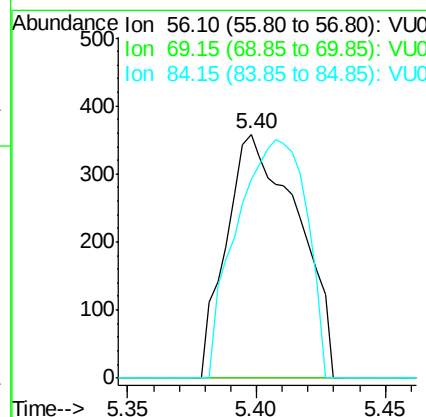
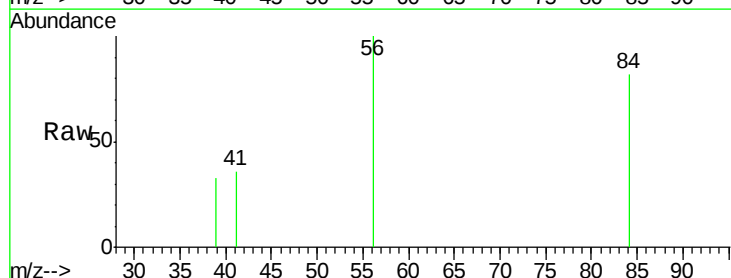
Instrument :
 MSVOA_U
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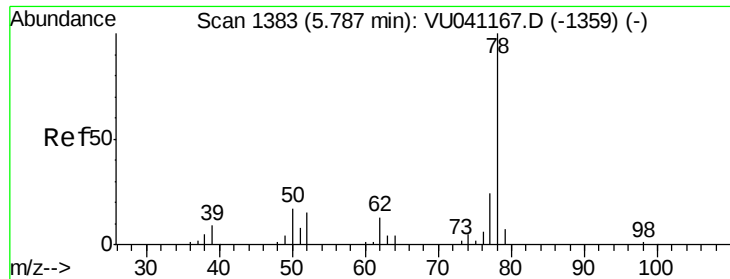
Tot Ion: 62 Resp: 8682
 Ion Ratio Lower Upper
 62 100
 98 6.2 7.6 11.4#



#30
 Cyclohexane
 Concen: 0.098 ug/L
 RT: 5.40 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VU041179.D
 Acq: 10 Nov 2020 15:32

Tgt Ion: 56 Resp: 692
 Ion Ratio Lower Upper
 56 100
 69 0.0 22.8 34.2#
 84 95.4 63.6 95.4

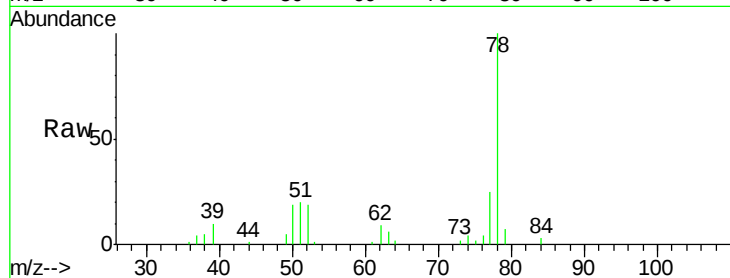




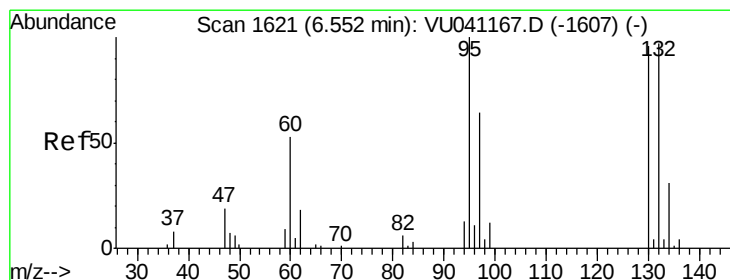
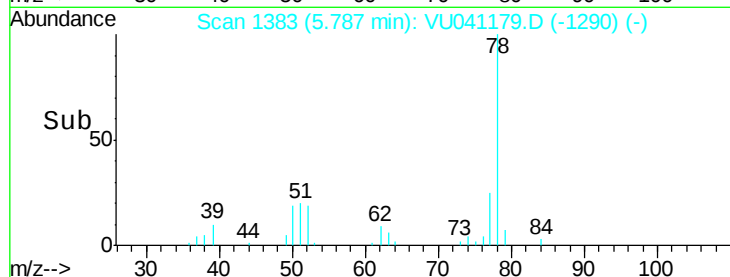
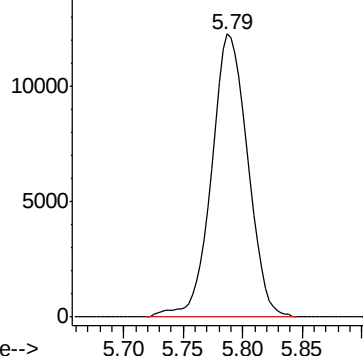
#33
Benzene
Concen: 1.478 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041179.D
Acq: 10 Nov 2020 15:32

Instrument :
MSVOA_U
ClientSampled :
GB0W4

Tgt Ion: 78 Resp: 25853



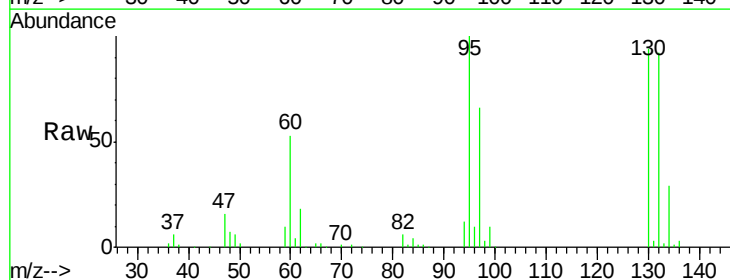
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 43.920 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041179.D
Acq: 10 Nov 2020 15:32

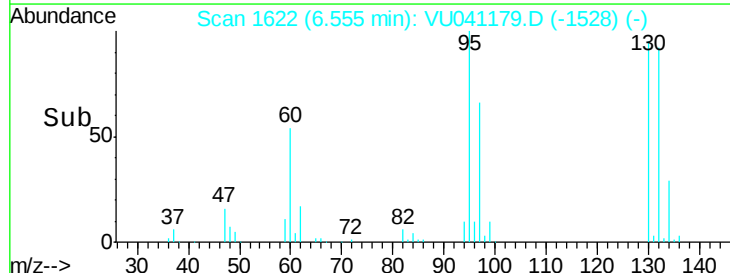
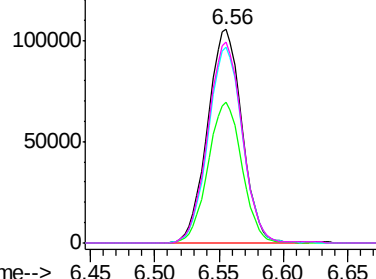
Tgt Ion: 95 Resp: 195511

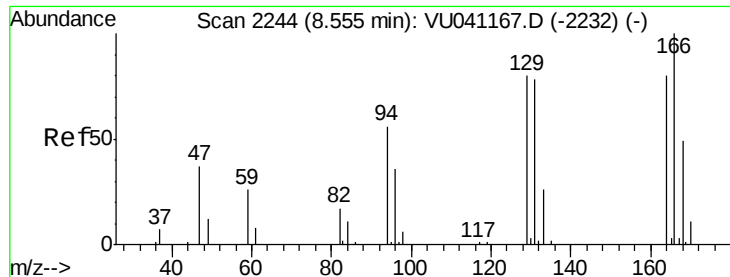
Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.6	84.6
132	91.6	64.8	120.4
130	94.1	64.8	120.4



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: 0.457 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041179.D

Acq: 10 Nov 2020 15:32

Instrument :

MSVOA_U

ClientSampleId :

GB0W4

Tot Ion:164 Resp: 1495

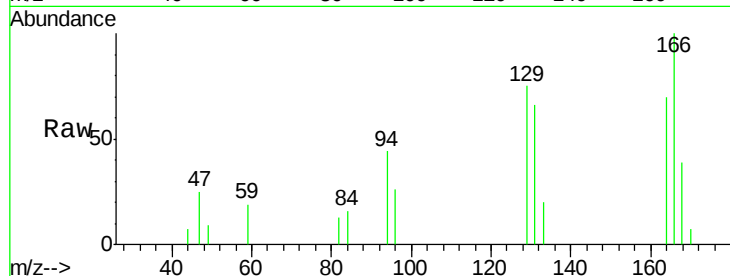
Ion Ratio Lower Upper

164 100

129 107.7 70.3 130.7

131 94.0 70.8 131.4

166 143.5 92.0 170.8

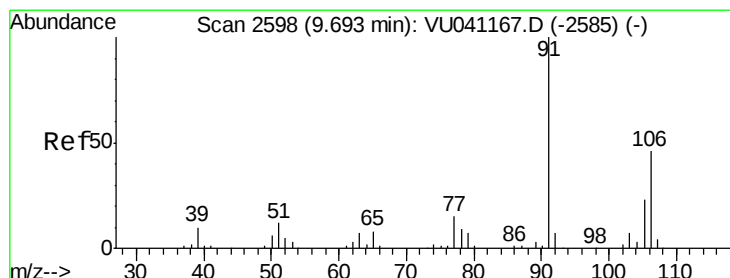
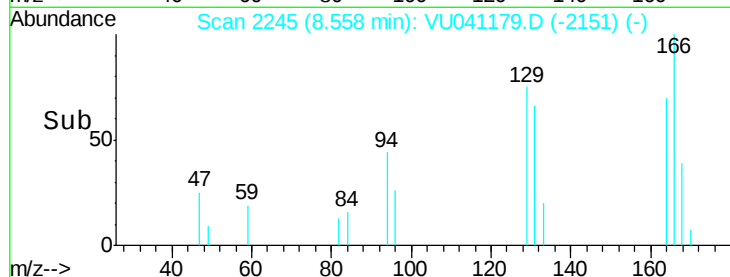
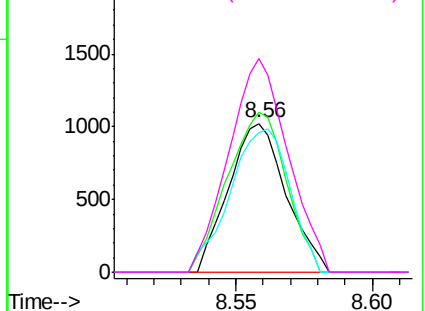


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.276 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041179.D

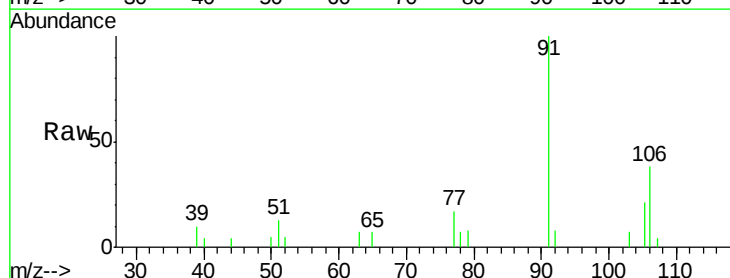
Acq: 10 Nov 2020 15:32

Tgt Ion:106 Resp: 1881

Ion Ratio Lower Upper

106 100

91 260.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

