

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110920\
 Data File : VU041149.D
 Acq On : 09 Nov 2020 18:27
 Operator : SY/MD
 Sample : L4646-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W0

Quant Time: Nov 10 03:46:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	71251	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	69317	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17740	2.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.20%
7) Chloroethane-d5	1.92	69	17304	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.58	63	29636	2.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.40%#
20) 2-Butanone-d5	4.65	46	104867	53.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.40%
24) Chloroform-d	5.08	84	46911	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.72	65	30109	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.74	84	83059	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	30546	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.91	98	71401	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	11224	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.64	63	73239	51.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.98%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27580	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	31341	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

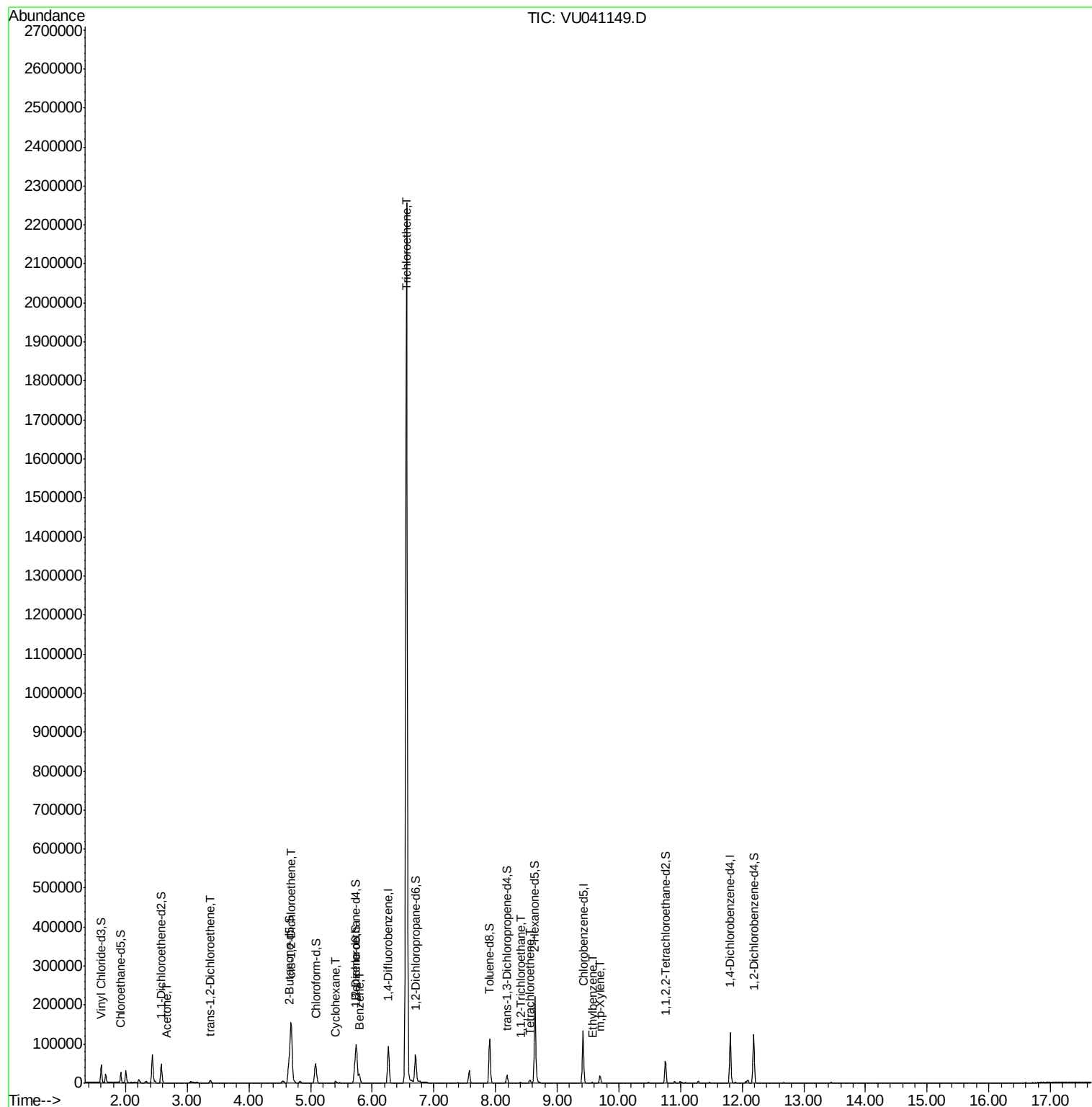
					Ovalue
13) Acetone	2.66	43	1561	1.158 ug/L	72
18) trans-1,2-Dichloroethene	3.37	96	1577	0.308 ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	66081	12.525 ug/L	100
30) Cyclohexane	5.41	56	2231	0.267 ug/L	90
33) Benzene	5.79	78	21980	1.061 ug/L	100
34) Trichloroethene	6.56	95	746830	141.687 ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	576	0.138 ug/L	97
47) Tetrachloroethene	8.56	164	1750	0.452 ug/L	88
52) Ethylbenzene	9.57	91	1681	0.076 ug/L #	82
53) m,p-Xylene	9.69	106	4837	0.600 ug/L	95

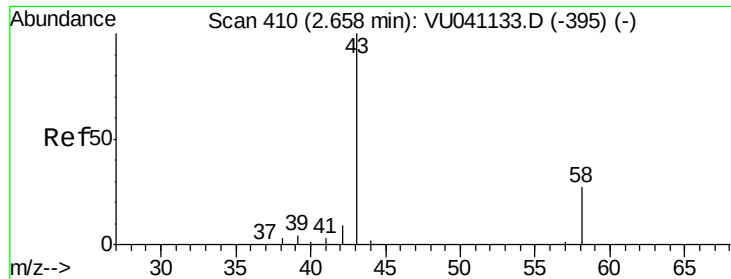
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 10 01:04:12 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.158 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

Instrument :

MSVOA_U

ClientSampled :

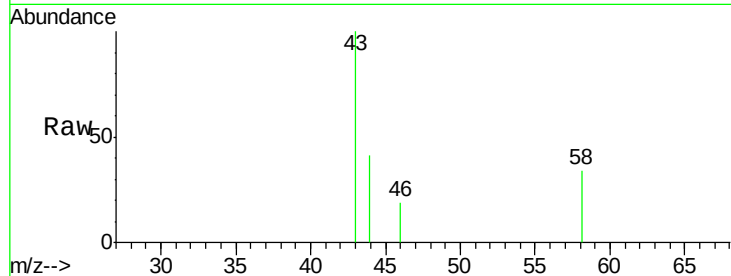
GB0W0

Tot Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

58 23.8 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041133.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041133.D (-395) (-)

2.66

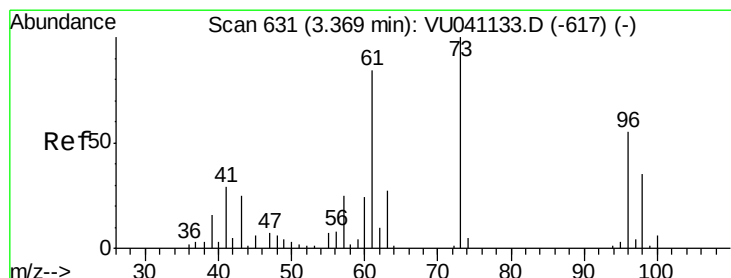
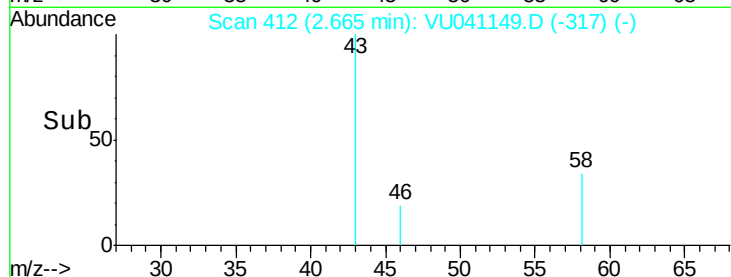
600

400

200

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.308 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

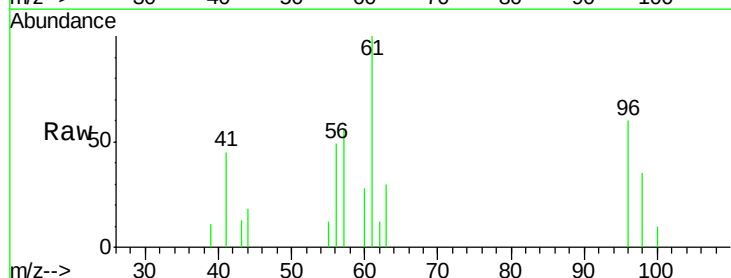
Tgt Ion: 96 Resp: 1577

Ion Ratio Lower Upper

96 100

61 166.8 110.9 205.9

98 58.6 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041133.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU041133.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU041133.D (-617) (-)

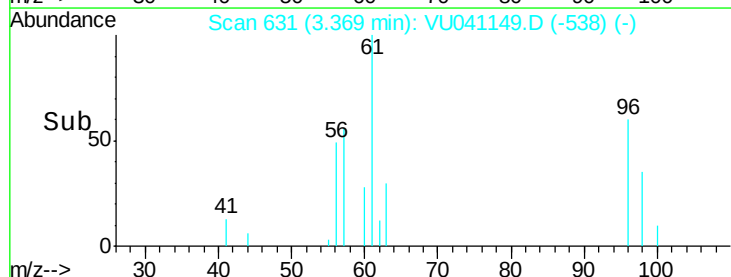
1500

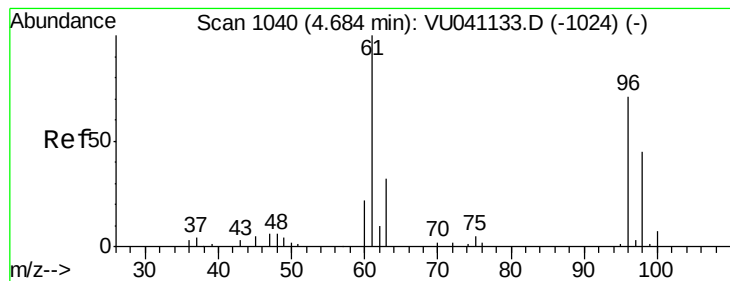
1000

500

0

Time-->





#22

cis-1,2-Dichloroethene

Concen: 12.525 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

Instrument :

MSVOA_U

ClientSampleId :

GB0W0

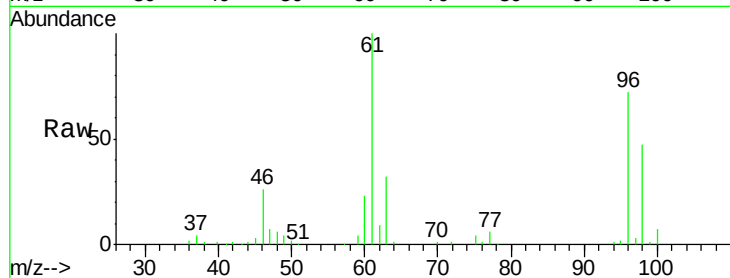
Tot Ion: 96 Resp: 66081

Ion Ratio Lower Upper

96 100

61 139.1 97.2 180.4

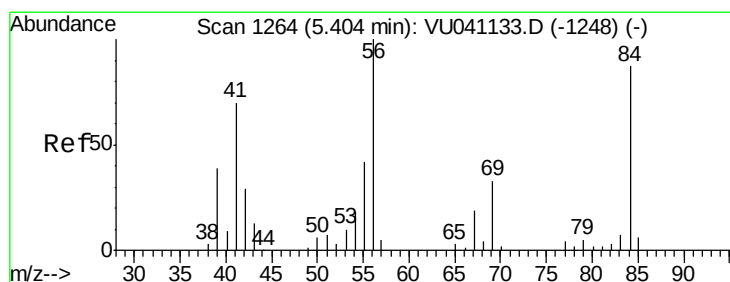
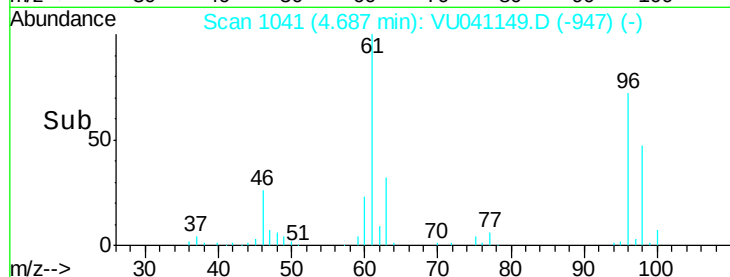
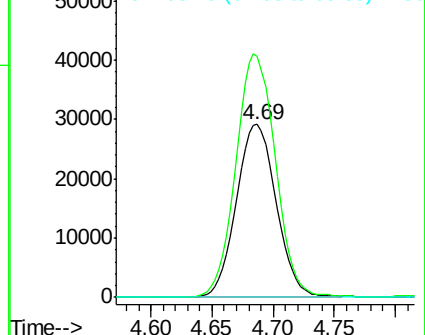
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#30

Cyclohexane

Concen: 0.267 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

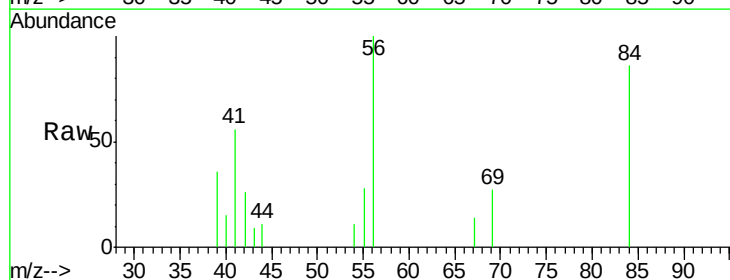
Tgt Ion: 56 Resp: 2231

Ion Ratio Lower Upper

56 100

69 23.8 22.8 34.2

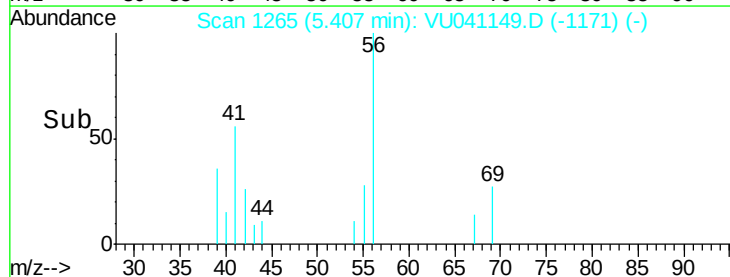
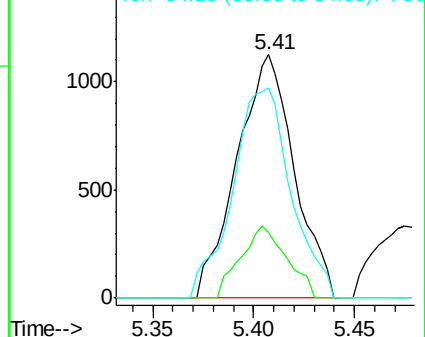
84 88.2 63.6 95.4

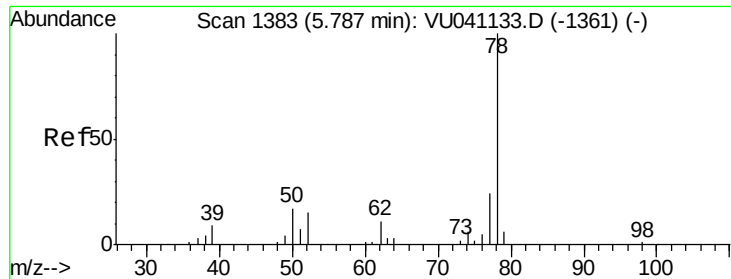


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 1.061 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

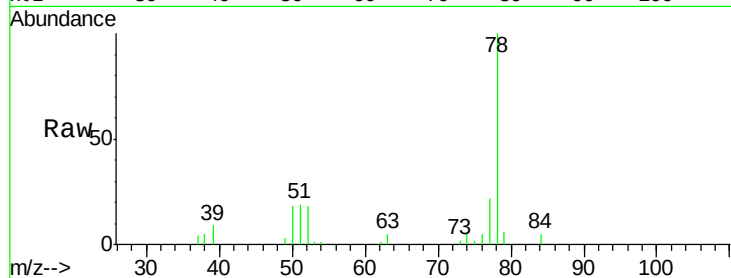
Instrument :

MSVOA_U

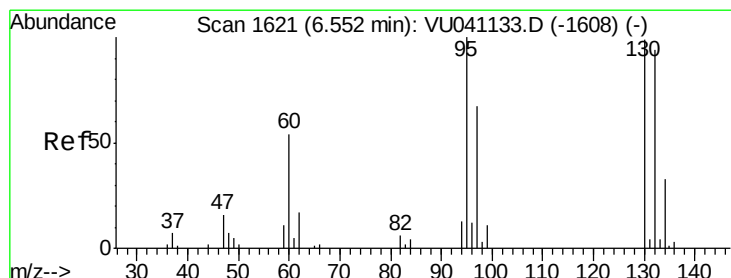
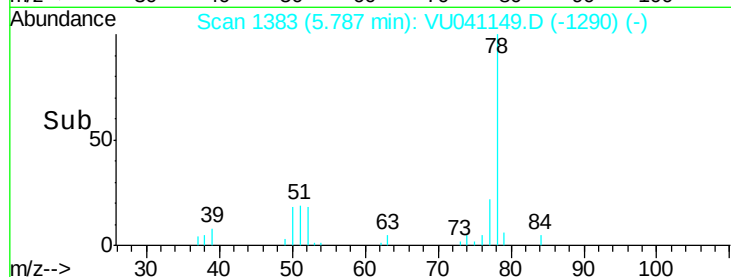
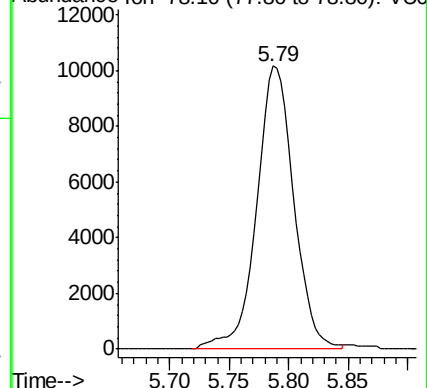
ClientSampled :

GB0W0

Tgt Ion: 78 Resp: 21980



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 141.687 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

Tgt Ion: 95 Resp: 746830

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.6	84.6
132	89.8	64.8	120.4
130	94.3	64.8	120.4

95 100

97 64.4 45.6 84.6

132 89.8 64.8 120.4

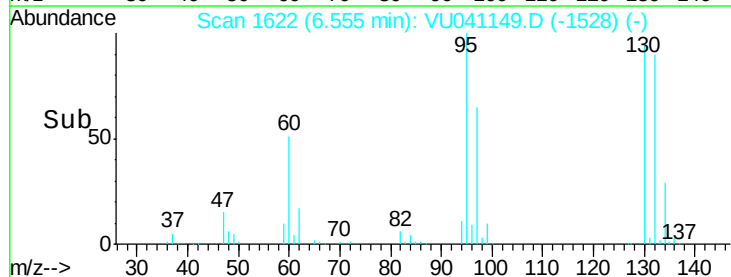
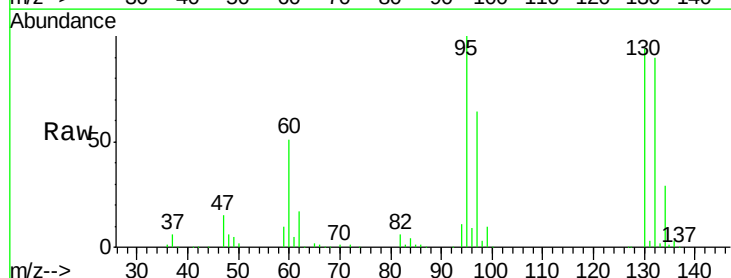
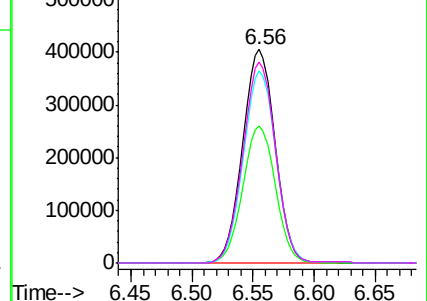
130 94.3 64.8 120.4

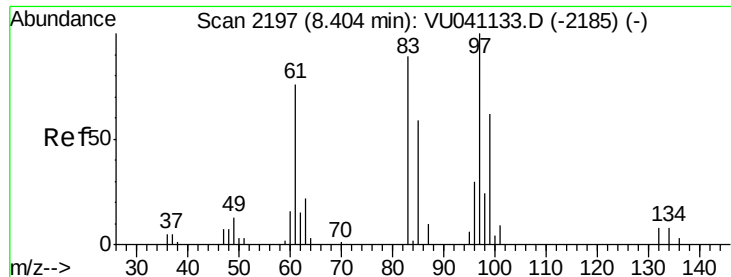
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

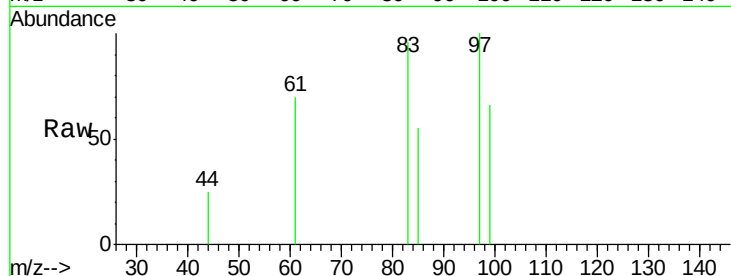




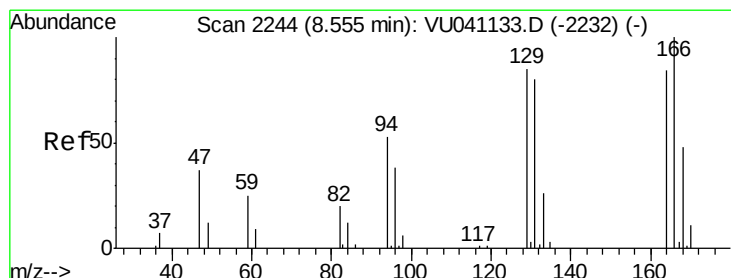
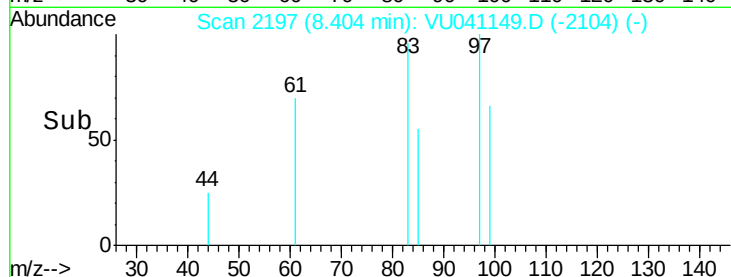
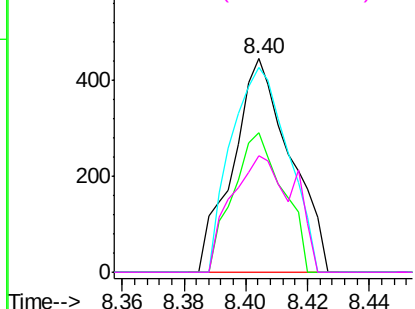
#45
 1,1,2-Trichloroethane
 Concen: 0.138 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041149.D
 Acq: 09 Nov 2020 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0W0

Tot Ion:	97	Resp:	576
Ion	Ratio	Lower	Upper
97	100		
99	65.6	45.8	85.2
83	96.0	67.9	126.1
85	54.6	42.8	79.6

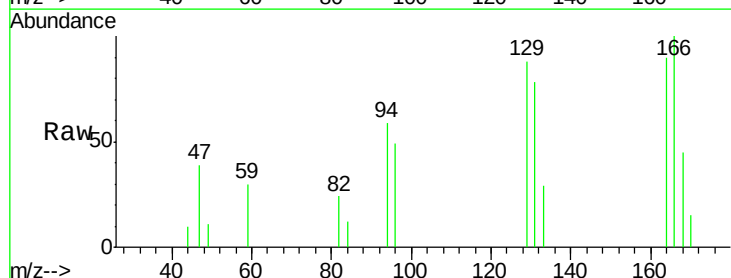


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

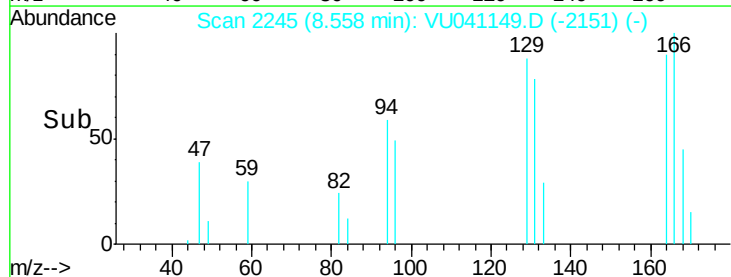
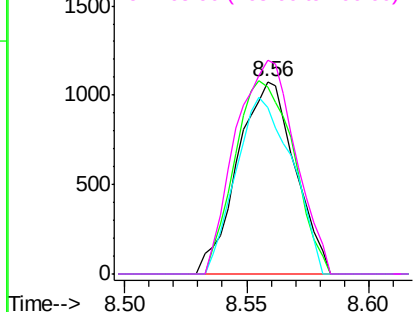


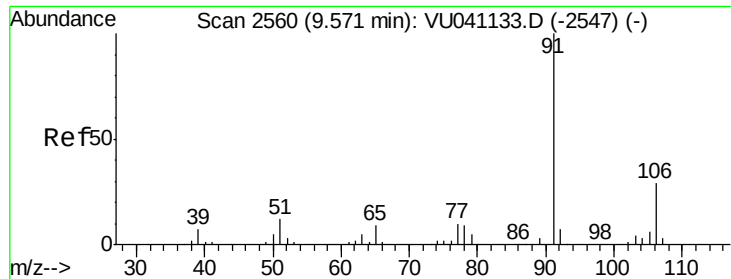
#47
 Tetrachloroethene
 Concen: 0.452 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041149.D
 Acq: 09 Nov 2020 18:27

Tgt Ion:	164	Resp:	1750
Ion	Ratio	Lower	Upper
164	100		
129	97.5	70.3	130.7
131	86.6	70.8	131.4
166	111.1	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





#52

Ethylbenzene

Concen: 0.076 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

Instrument :

MSVOA_U

ClientSampleId :

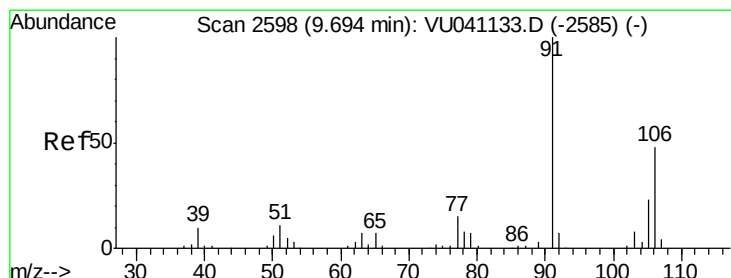
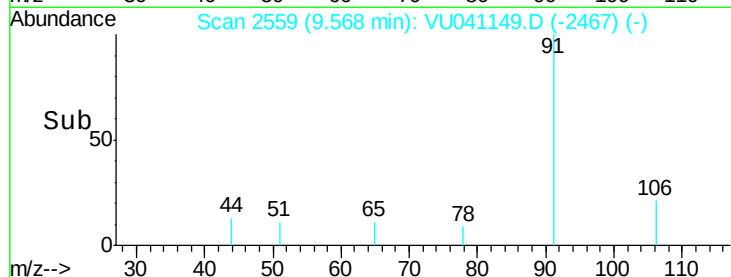
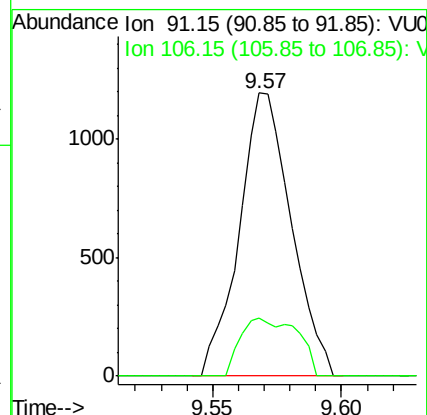
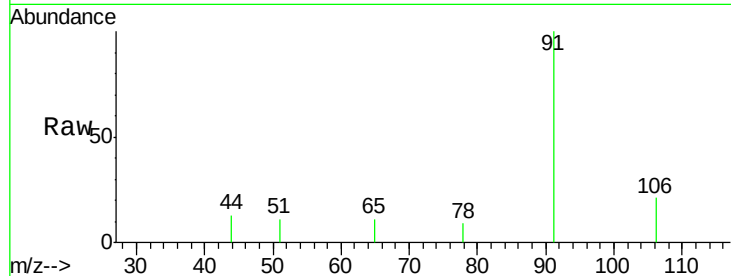
GB0W0

Tot Ion: 91 Resp: 1681

Ion Ratio Lower Upper

91 100

106 20.5 21.0 39.0#



#53

m,p-Xylene

Concen: 0.600 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041149.D

Acq: 09 Nov 2020 18:27

Tgt Ion: 106 Resp: 4837

Ion Ratio Lower Upper

106 100

91 223.6 150.9 280.3

