

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040361.D
 Acq On : 29 Sep 2020 16:04
 Operator : SY/MD
 Sample : L4164-04MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0AD8MSD

Quant Time: Sep 30 02:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:43:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	137529	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139162	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29828	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.92	69	27634	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	72418	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.65	46	169700	50.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	5.08	84	72334	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.72	65	47567	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.75	84	131301	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	47781	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.91	98	105363	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	18934	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	123108	50.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46321	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50006	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

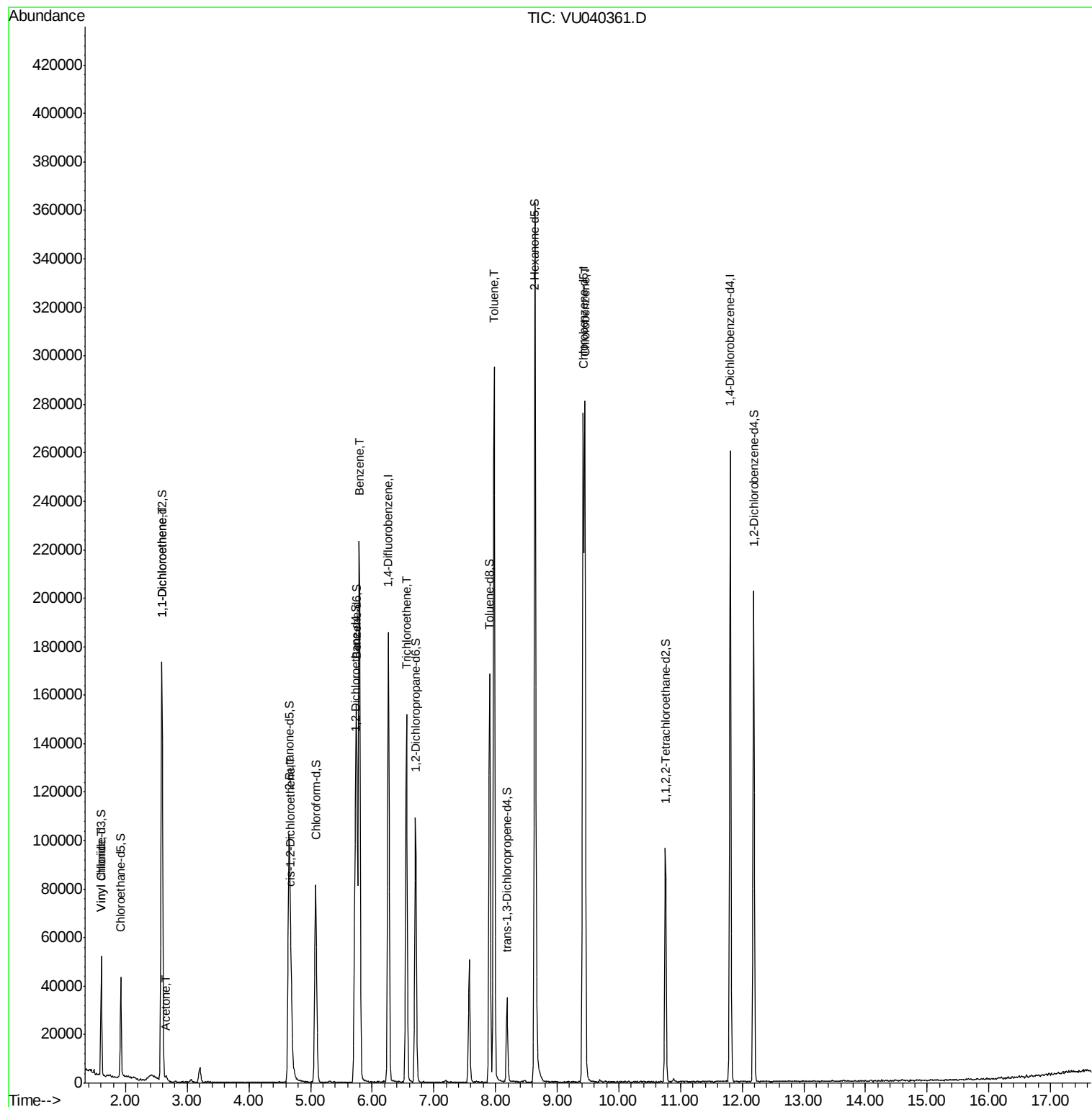
					Ovalue
5) Vinyl chloride	1.61	62	2234	0.168 ug/L	# 81
12) 1,1-Dichloroethene	2.59	96	41128	3.927 ug/L	91
13) Acetone	2.66	43	3941	1.398 ug/L	83
22) cis-1,2-Dichloroethene	4.69	96	6520	0.544 ug/L	98
33) Benzene	5.79	78	194927	4.178 ug/L	100
34) Trichloroethene	6.56	95	49756	4.017 ug/L	95
42) Toluene	7.98	91	199153	4.163 ug/L	98
51) Chlorobenzene	9.45	112	135002	4.364 ug/L	98

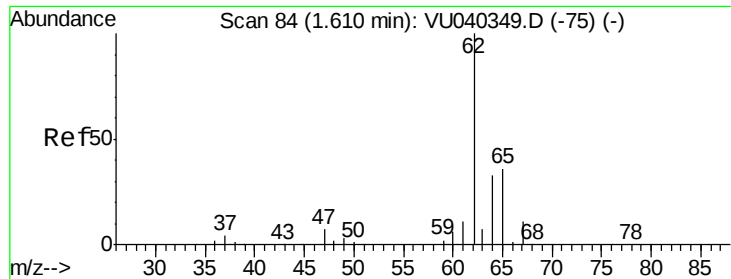
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 01:43:05 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.168 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

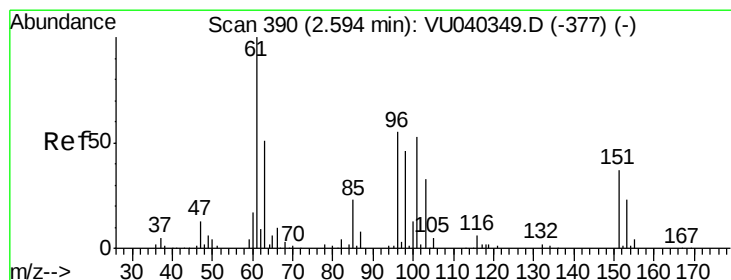
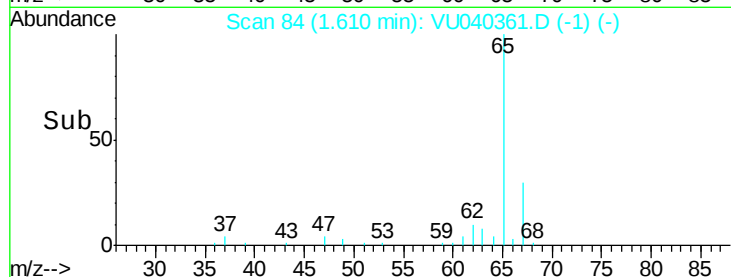
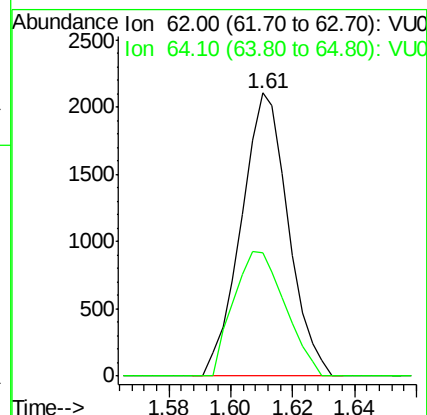
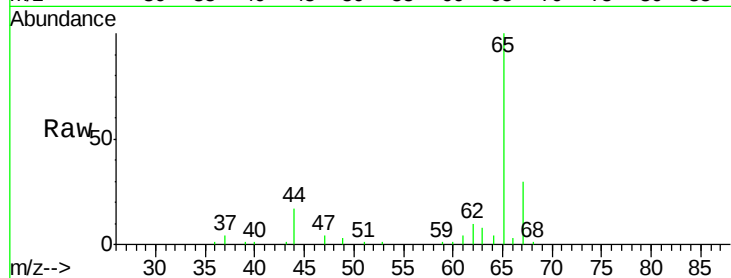
E0AD8MSD

Tot Ion: 62 Resp: 2234

Ion Ratio Lower Upper

62 100

64 43.8 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 3.927 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

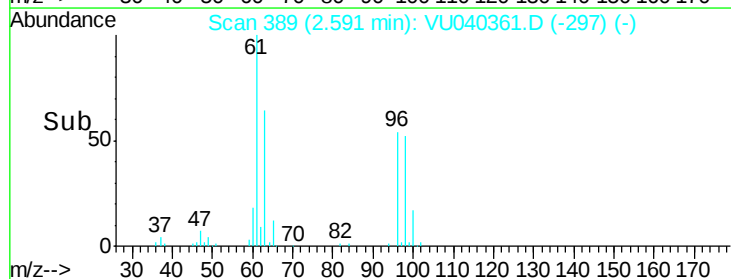
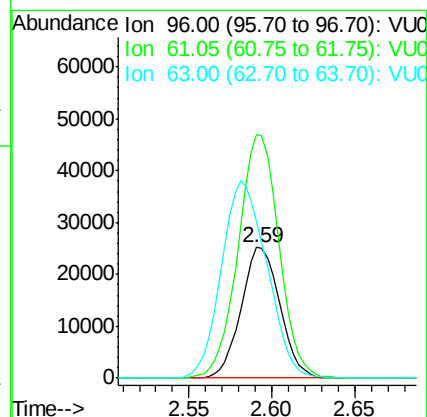
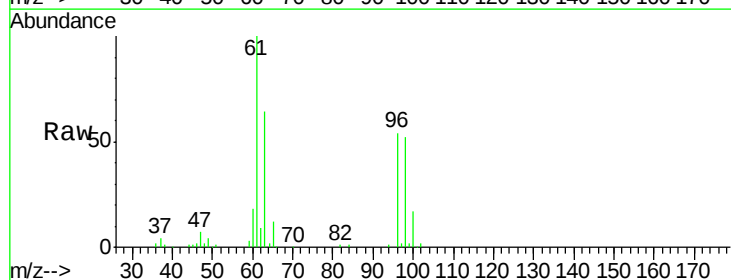
Tgt Ion: 96 Resp: 41128

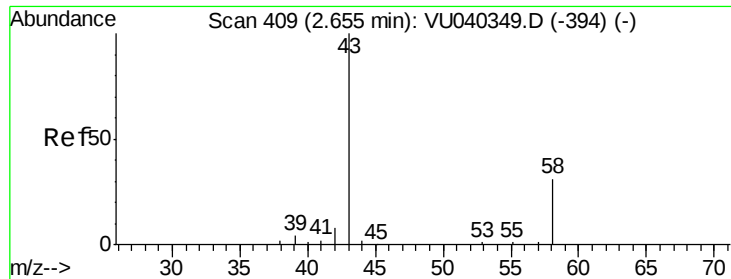
Ion Ratio Lower Upper

96 100

61 186.5 128.6 238.8

63 120.1 67.8 126.0





#13

Acetone

Concen: 1.398 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

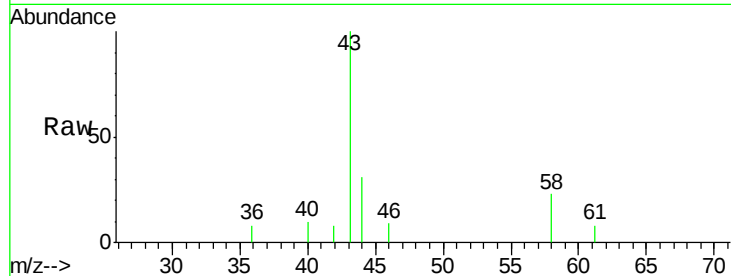
E0AD8MSD

Tot Ion: 43 Resp: 3941

Ion Ratio Lower Upper

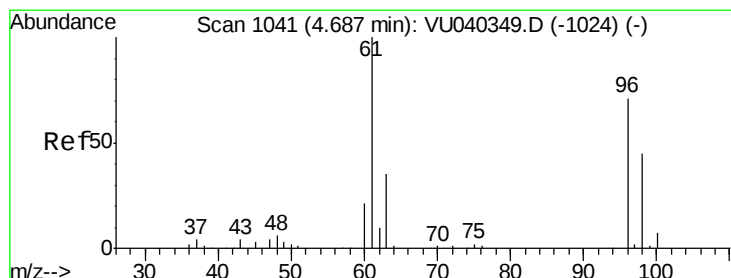
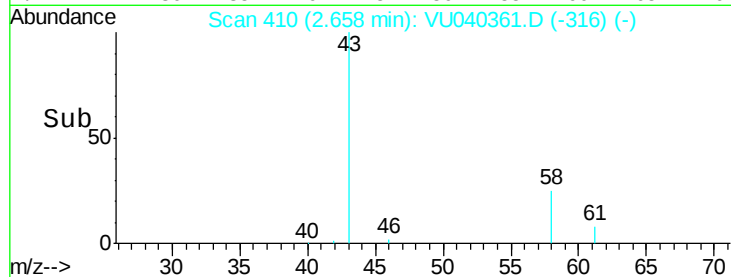
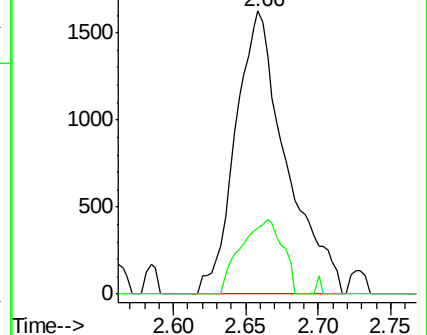
43 100

58 21.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.544 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

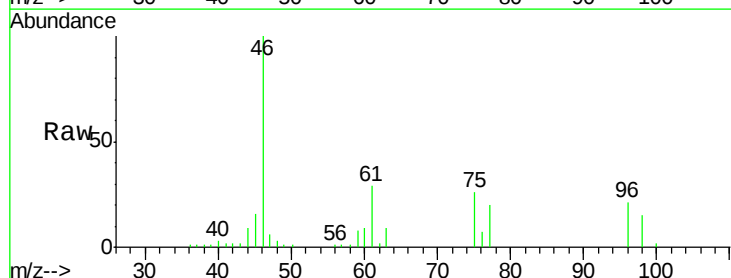
Tgt Ion: 96 Resp: 6520

Ion Ratio Lower Upper

96 100

61 140.0 99.3 184.5

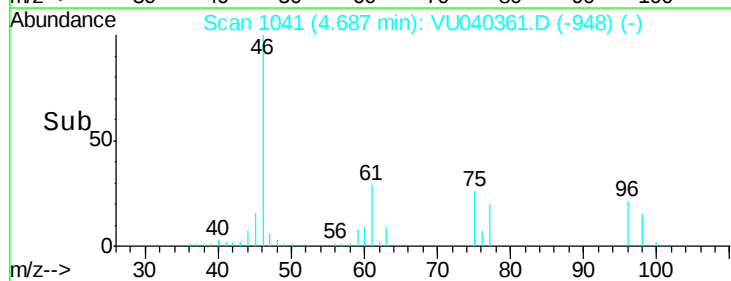
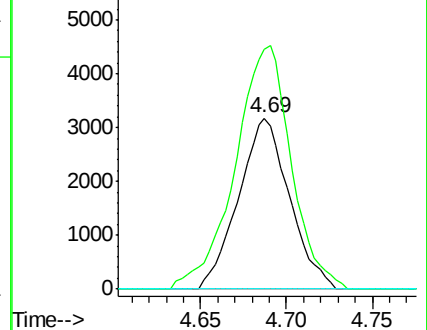
68 0.0 0.0 0.0

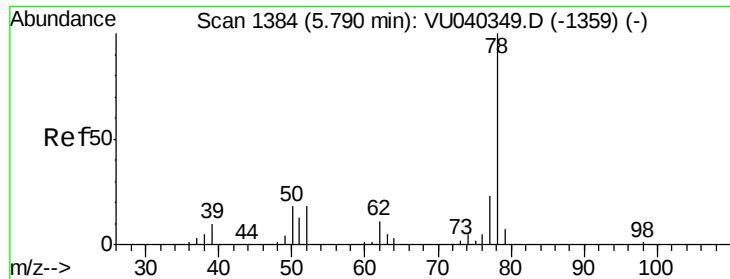


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 4.178 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

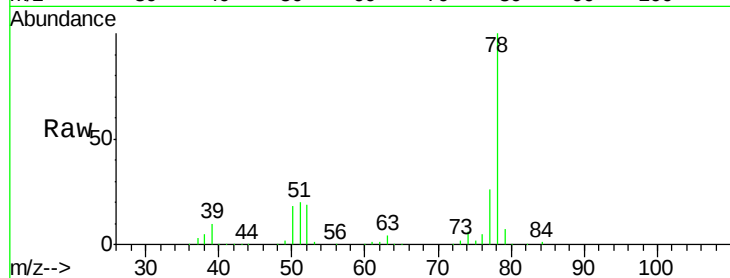
Instrument :

MSVOA_U

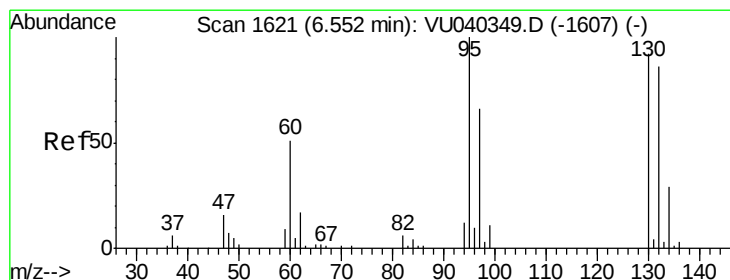
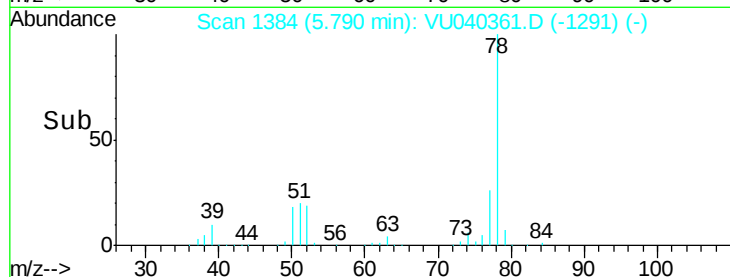
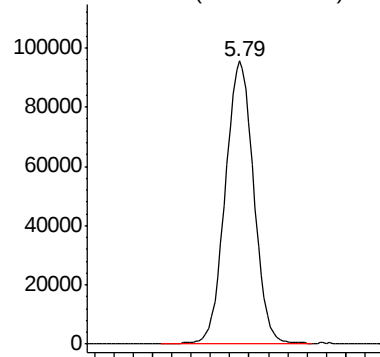
ClientSampleId :

E0AD8MSD

Tgt Ion: 78 Resp: 194927



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.017 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

Tgt Ion: 95 Resp: 49756

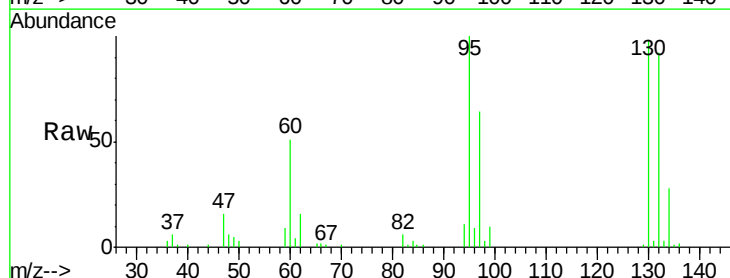
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.3	85.9
132	91.6	60.5	112.3
130	98.1	64.3	119.3

95 100

97 64.2 46.3 85.9

132 91.6 60.5 112.3

130 98.1 64.3 119.3

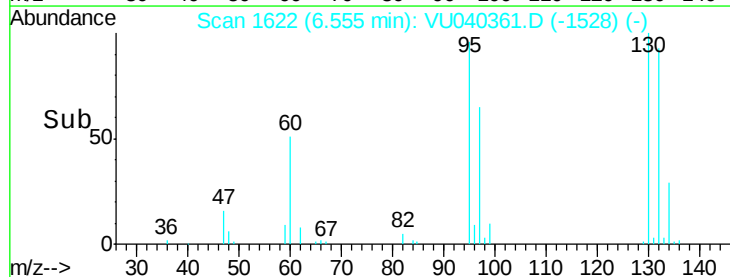
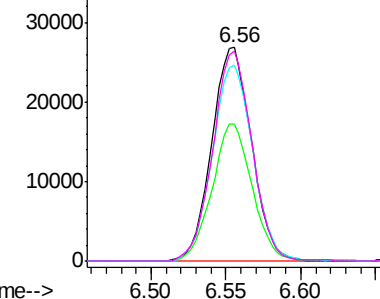


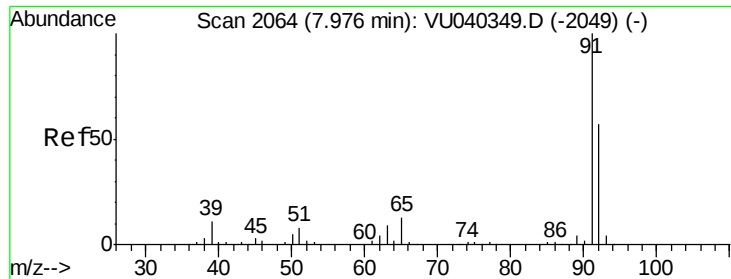
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 4.163 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

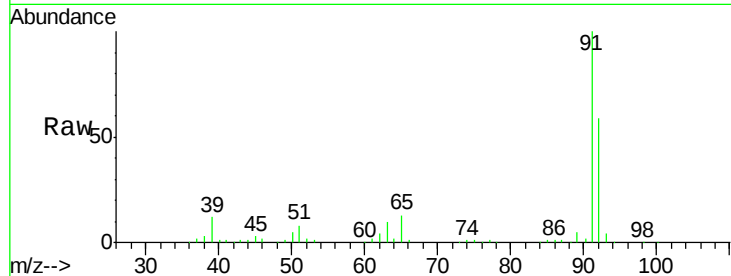
E0AD8MSD

Tot Ion: 91 Resp: 199153

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040349.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040349.D (-2049) (-)

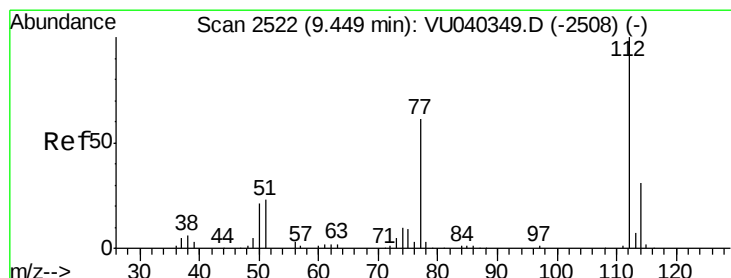
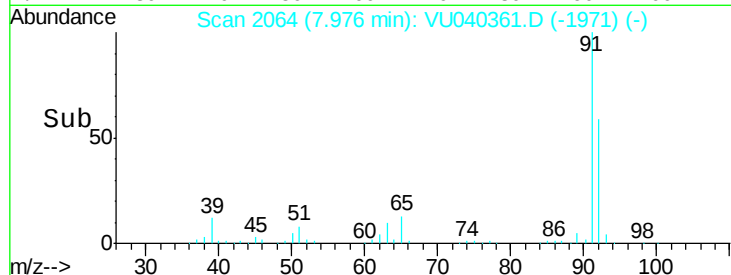
7.98

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 4.364 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040361.D

Acq: 29 Sep 2020 16:04

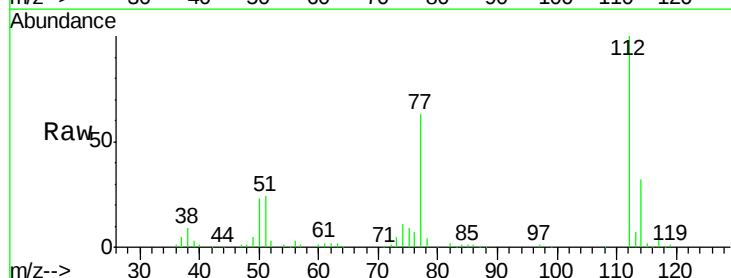
Tgt Ion: 112 Resp: 135002

Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 63.5 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): VU040349.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU040349.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU040349.D (-2508) (-)

9.45

100000

80000

60000

40000

20000

0

Time-->

