

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040360.D
 Acq On : 29 Sep 2020 15:41
 Operator : SY/MD
 Sample : L4164-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0AD8MS

Quant Time: Sep 30 02:25:21 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	163369	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	161529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	73181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32359	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.92	69	29821	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.58	63	79174	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.65	46	177557	44.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.40%
24) Chloroform-d	5.08	84	79583	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.72	65	50733	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.74	84	142738	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.70	67	51897	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.91	98	114001	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.18	79	20168	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	129267	45.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48501	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	54469	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

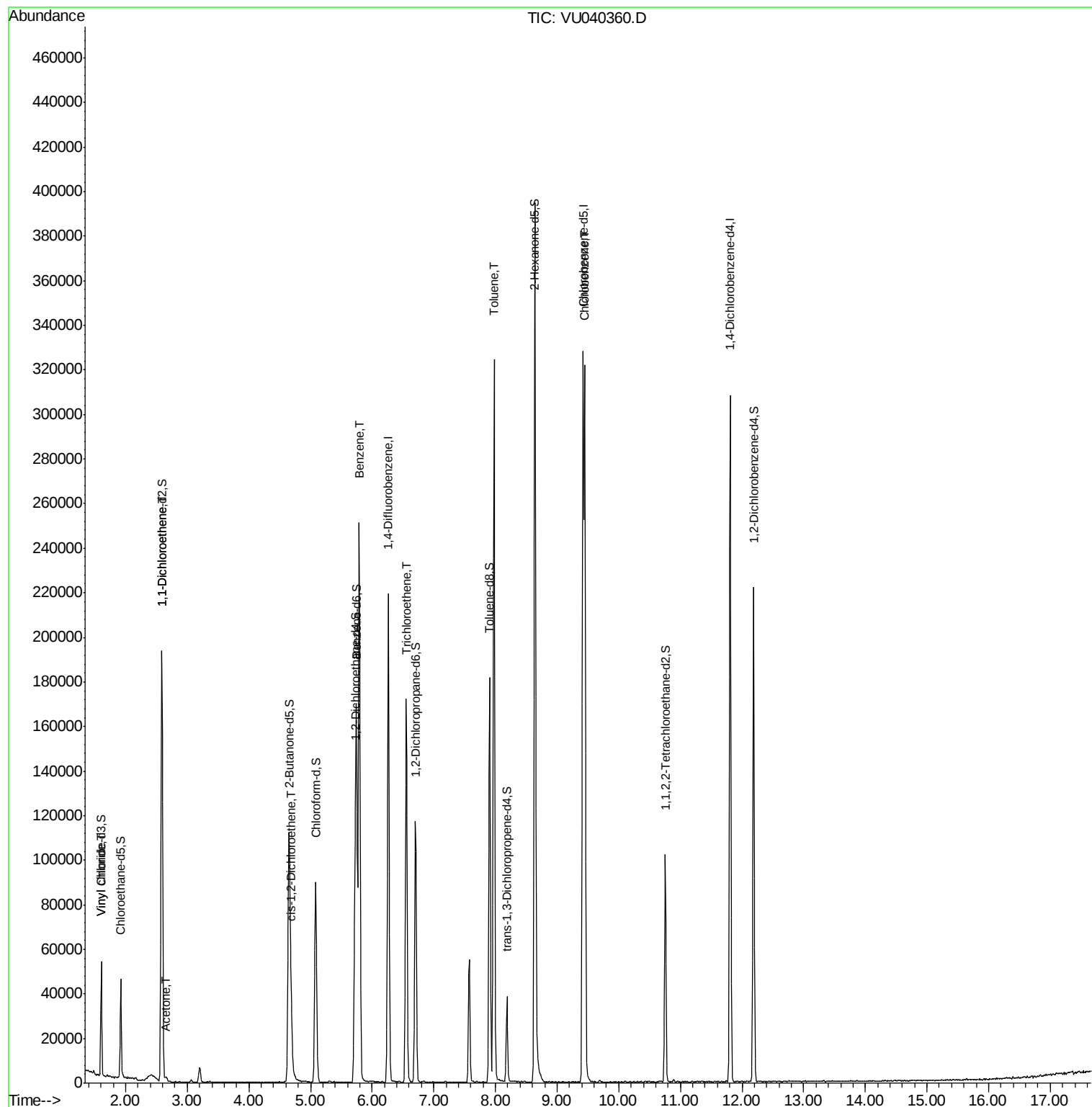
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2262	0.143	ug/L	# 78
12) 1,1-Dichloroethene	2.59	96	47482	3.817	ug/L	97
13) Acetone	2.65	43	3486	1.041	ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	6300	0.443	ug/L	82
33) Benzene	5.79	78	221390	4.088	ug/L	100
34) Trichloroethene	6.56	95	56054	3.899	ug/L	96
42) Toluene	7.98	91	224408	4.041	ug/L	99
51) Chlorobenzene	9.45	112	153270	4.269	ug/L	100

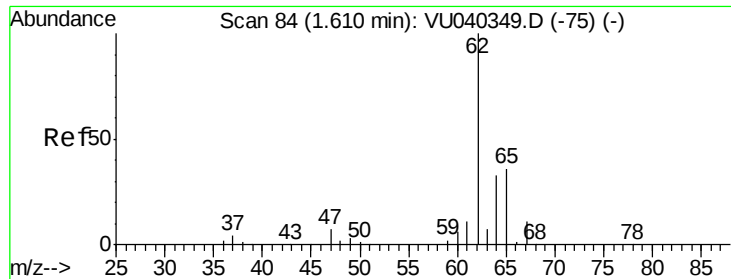
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.143 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampled :

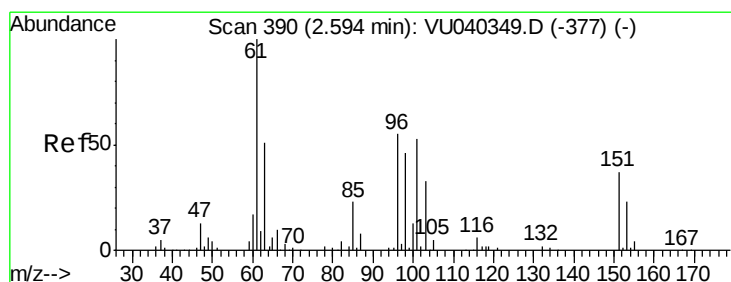
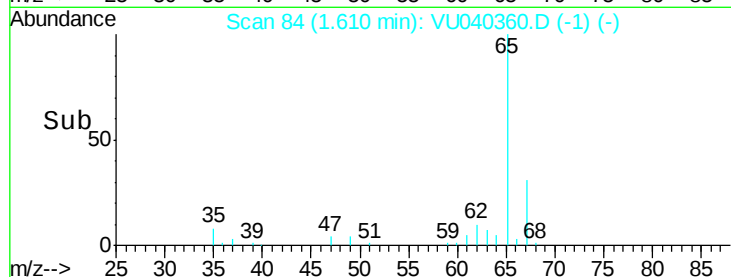
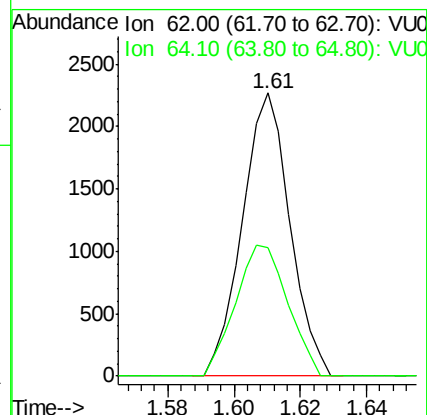
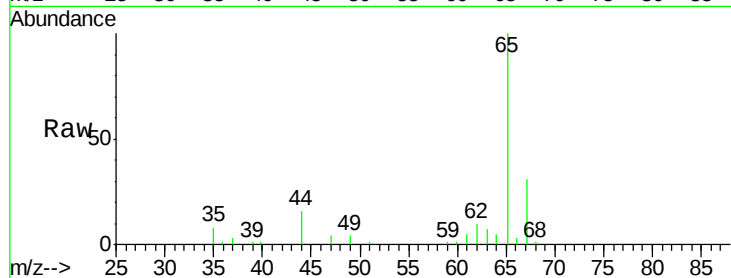
E0AD8MS

Tot Ion: 62 Resp: 2262

Ion Ratio Lower Upper

62 100

64 45.6 23.0 42.8#



#12

1,1-Dichloroethene

Concen: 3.817 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

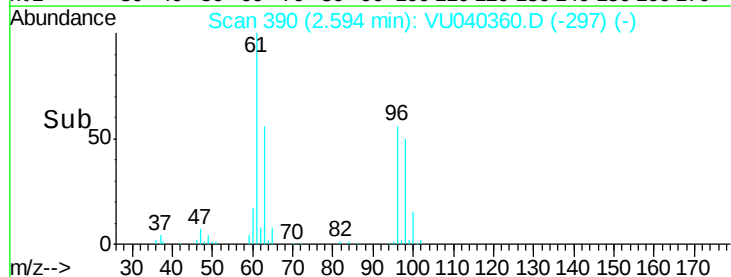
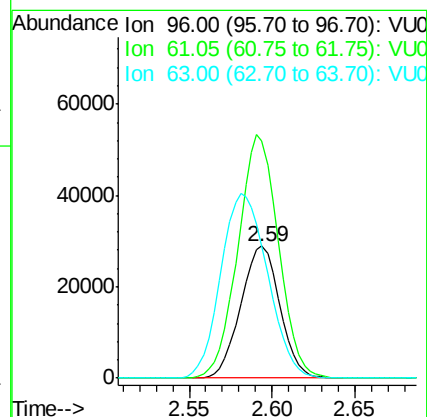
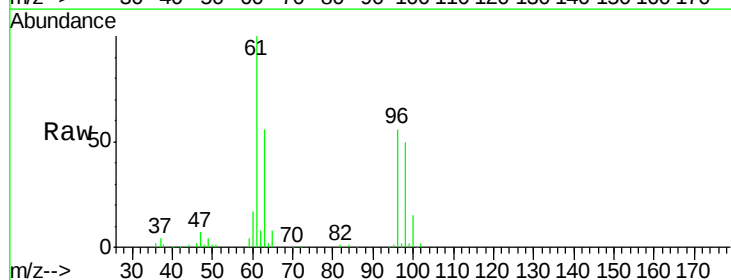
Tgt Ion: 96 Resp: 47482

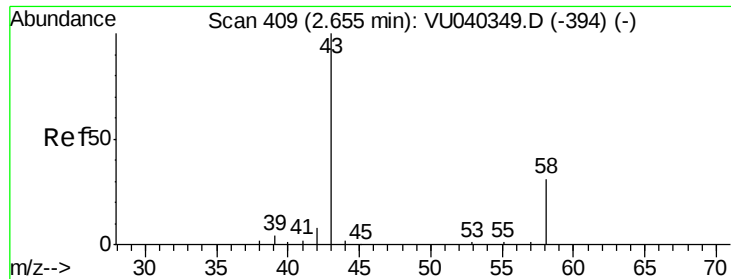
Ion Ratio Lower Upper

96 100

61 179.8 128.6 238.8

63 99.8 67.8 126.0





#13

Acetone

Concen: 1.041 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

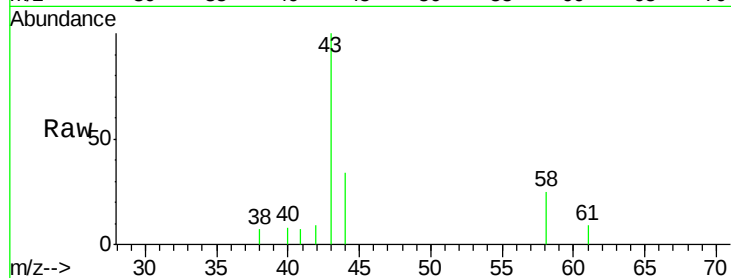
E0AD8MS

Tot Ion: 43 Resp: 3486

Ion Ratio Lower Upper

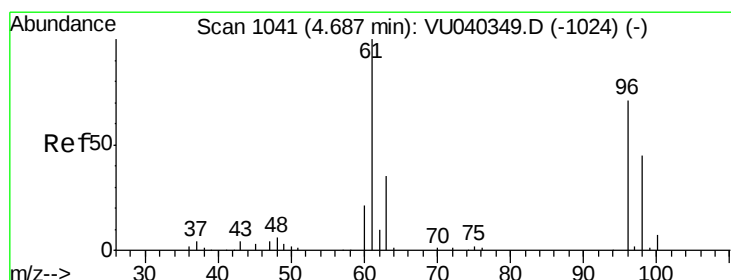
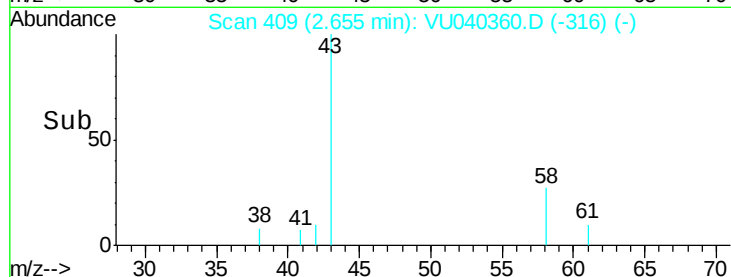
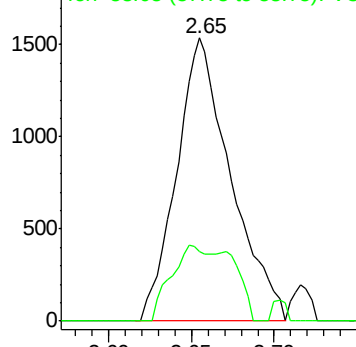
43 100

58 18.7 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: 0.443 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

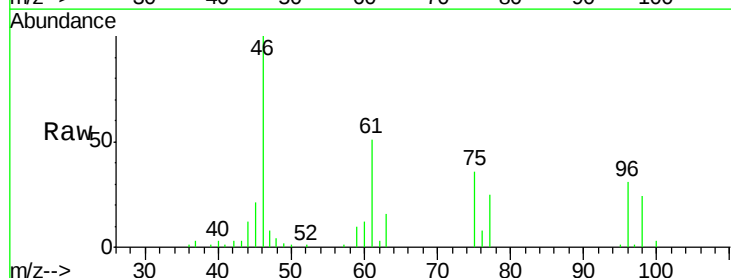
Tgt Ion: 96 Resp: 6300

Ion Ratio Lower Upper

96 100

61 163.8 99.3 184.5

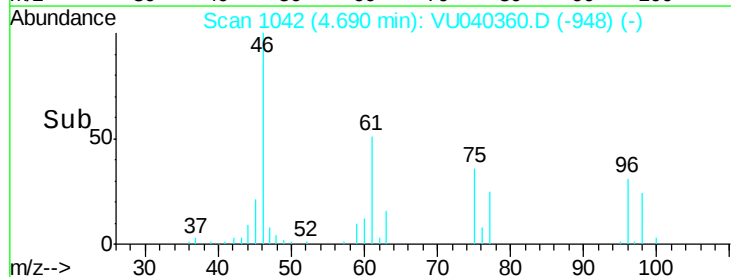
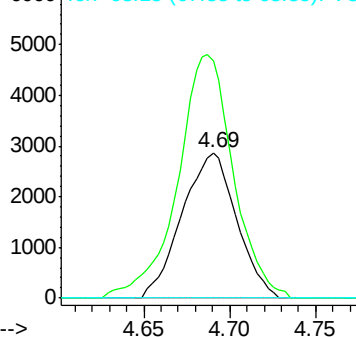
68 0.0 0.0 0.0

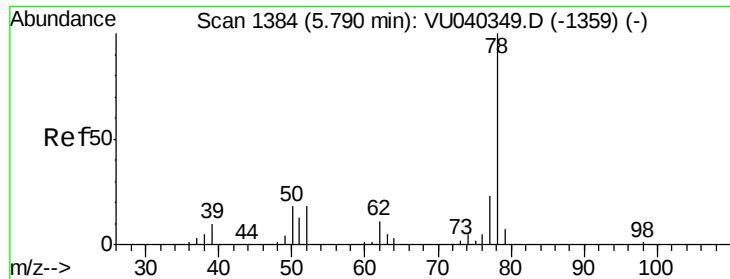


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 4.088 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

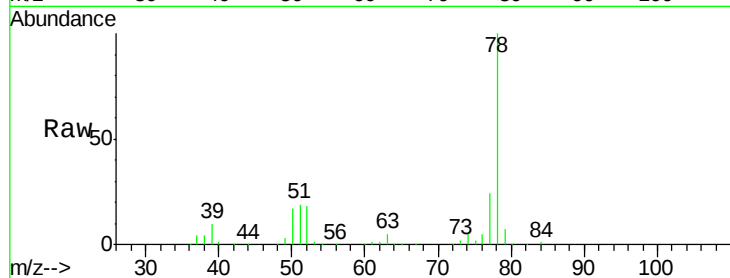
Instrument :

MSVOA_U

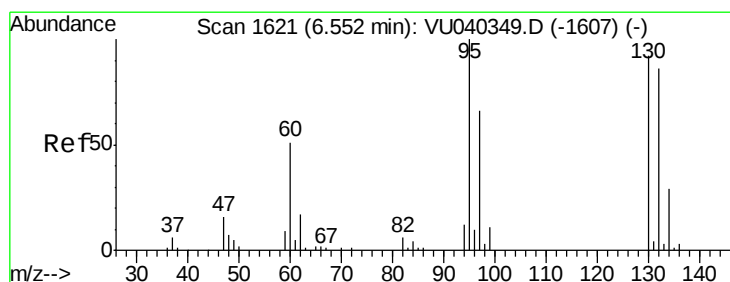
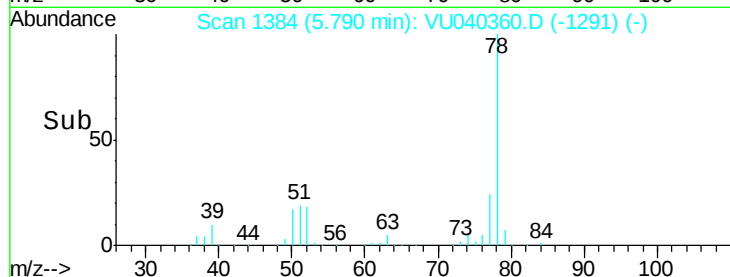
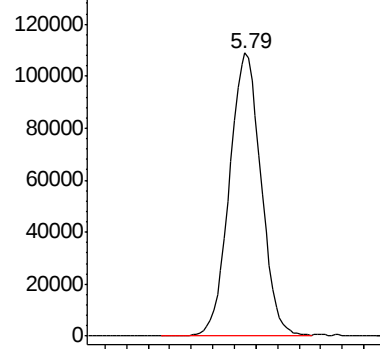
ClientSampleId :

E0AD8MS

Tgt Ion: 78 Resp: 221390



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 3.899 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Tgt Ion: 95 Resp: 56054

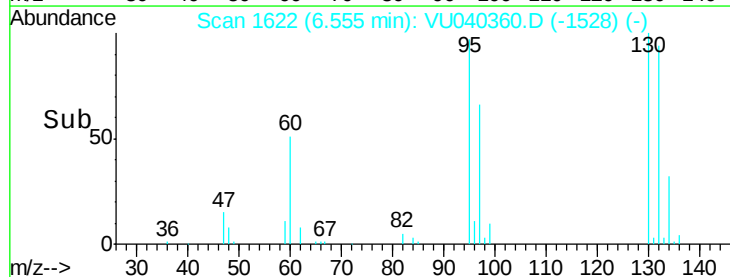
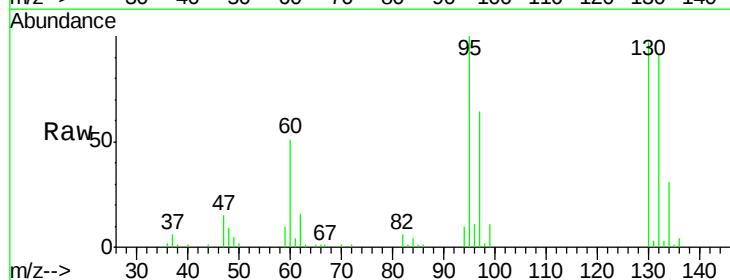
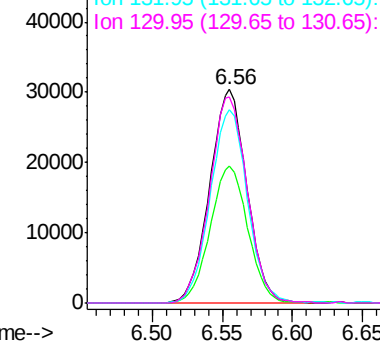
Ion	Ratio	Lower	Upper
95	100		
97	63.9	46.3	85.9
132	90.8	60.5	112.3
130	96.5	64.3	119.3

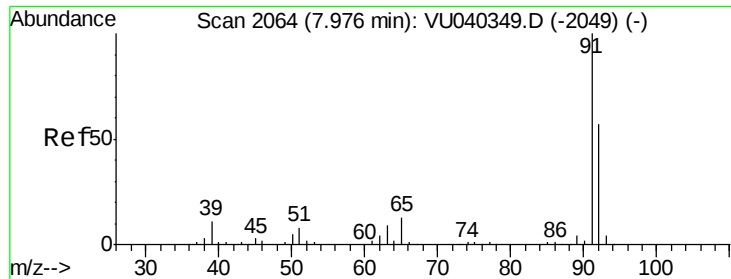
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.041 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

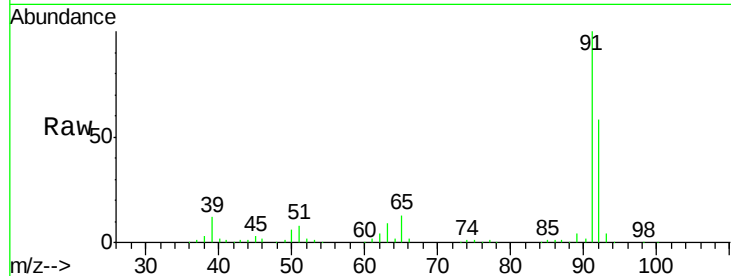
E0AD8MS

Tot Ion: 91 Resp: 224408

Ion Ratio Lower Upper

91 100

92 58.3 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

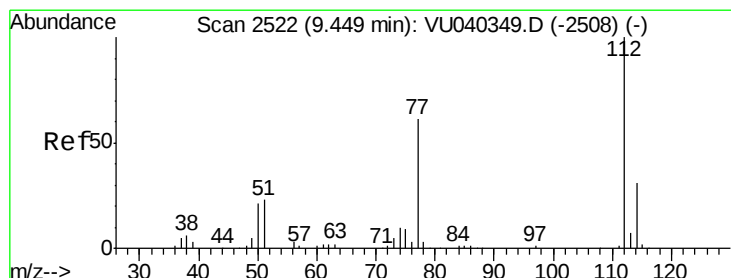
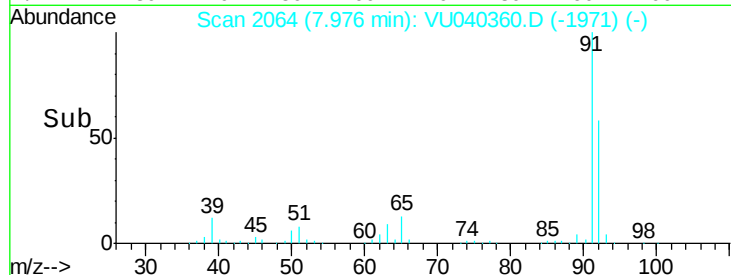
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 4.269 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040360.D

Acq: 29 Sep 2020 15:41

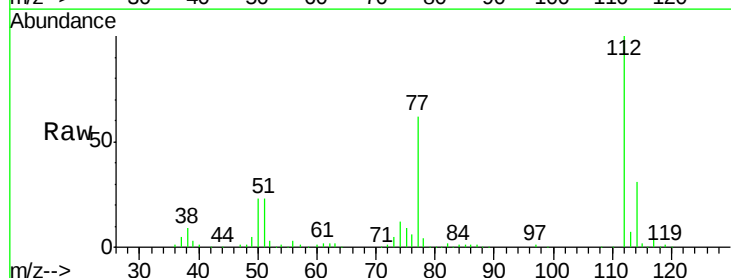
Tgt Ion: 112 Resp: 153270

Ion Ratio Lower Upper

112 100

114 31.5 22.0 40.8

77 62.3 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

120000

100000

80000

60000

40000

20000

0

Time-->

