

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035774.D
 Acq On : 19 Nov 2019 16:55
 Operator : JC/SP
 Sample : K5910-20DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAQK3DL

Quant Time: Nov 20 02:50:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	211774	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	128832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	74319	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.93	69	75219	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.60	63	99994	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.70	46	247055	51.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.66%
24) Chloroform-d	5.11	84	156354	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.75	65	82414	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.77	84	313089	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.74	67	106100	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.93	98	269417	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.22	79	36713	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.68	63	177942	50.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.66%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	96683	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	124947	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

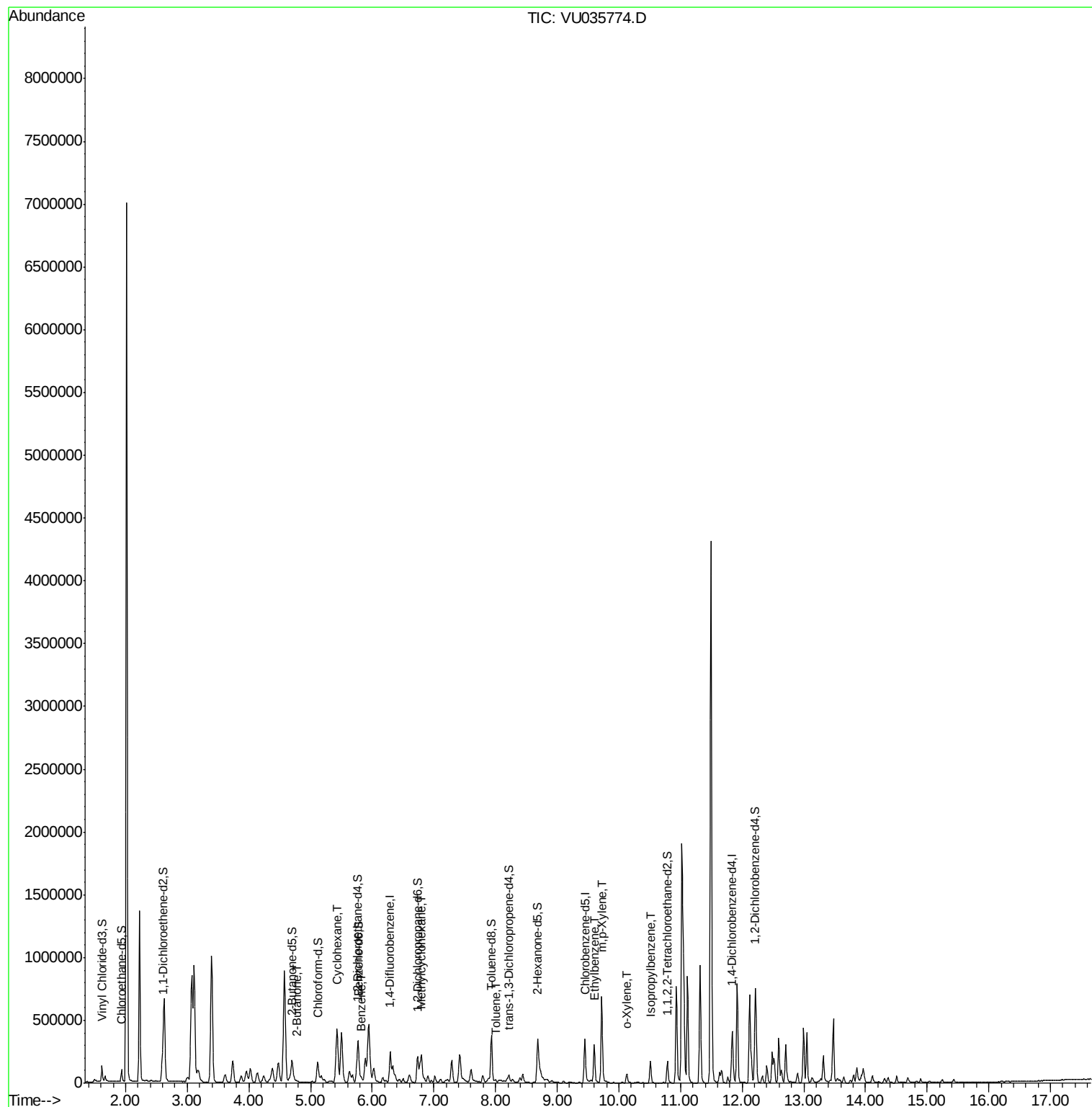
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
21) 2-Butanone	4.78	43	7161	1.390	ug/L #	72
30) Cyclohexane	5.43	56	207737	7.182	ug/L	96
33) Benzene	5.82	78	33282	0.430	ug/L	100
35) Methylcyclohexane	6.80	83	83691	2.775	ug/L #	74
42) Toluene	8.01	91	9276	0.114	ug/L	99
52) Ethylbenzene	9.60	91	212472	2.481	ug/L	99
53) m,p-Xylene	9.72	106	214927	6.628	ug/L	99
54) o-Xylene	10.13	106	20902	0.667	ug/L	97
56) Isopropylbenzene	10.51	105	112681	1.362	ug/L	99

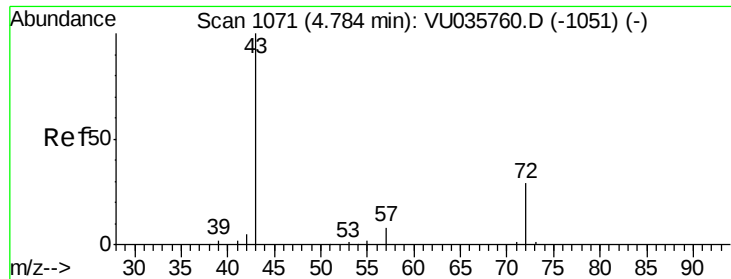
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#21

2-Butanone

Concen: 1.390 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

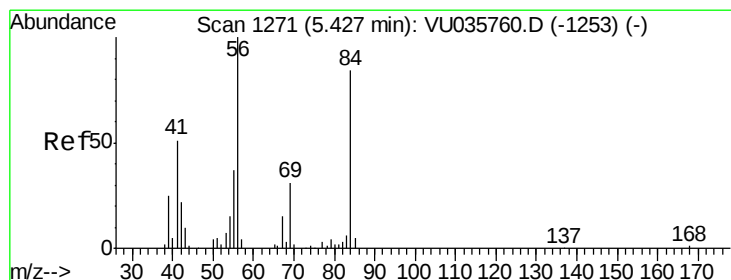
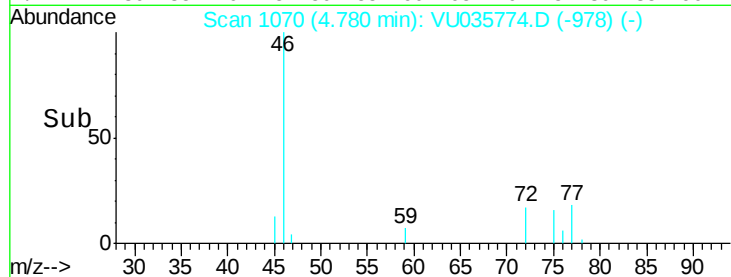
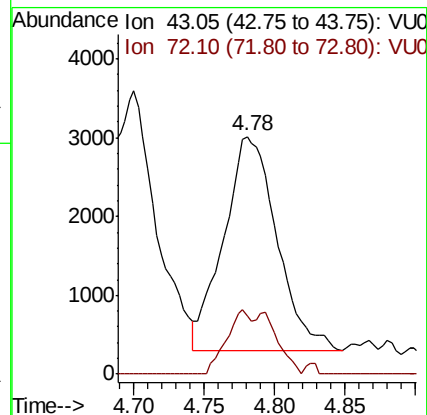
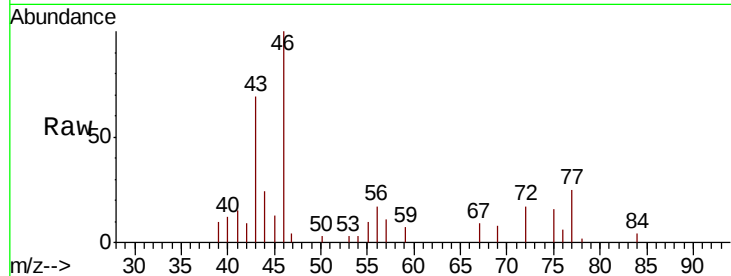
GAQK3DL

Tot Ion: 43 Resp: 7161

Ion Ratio Lower Upper

43 100

72 13.8 14.3 42.9#



#30

Cyclohexane

Concen: 7.182 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

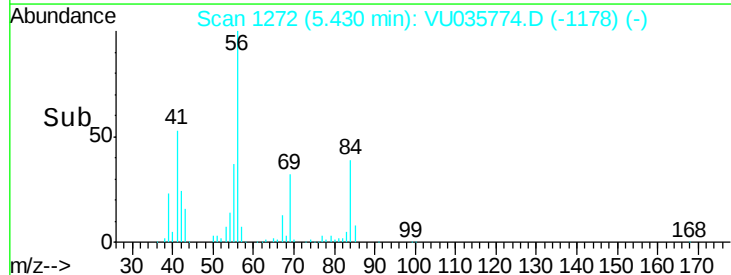
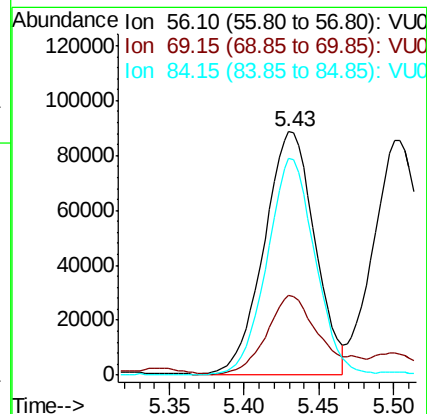
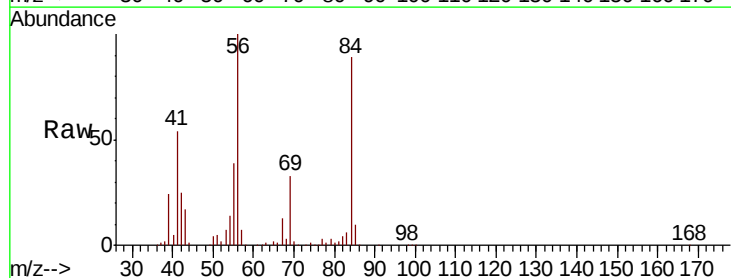
Tgt Ion: 56 Resp: 207737

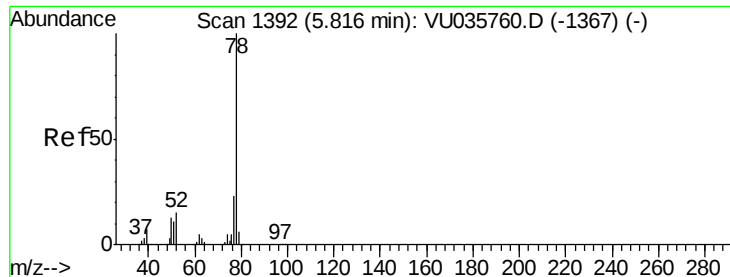
Ion Ratio Lower Upper

56 100

69 35.0 24.6 37.0

84 84.1 69.7 104.5





#33

Benzene

Concen: 0.430 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

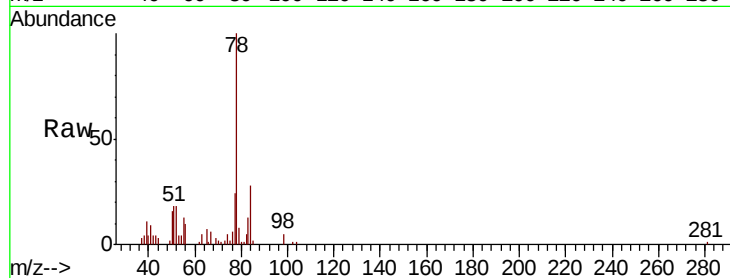
Instrument :

MSVOA_U

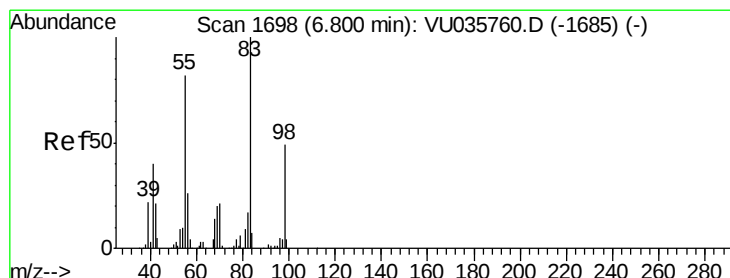
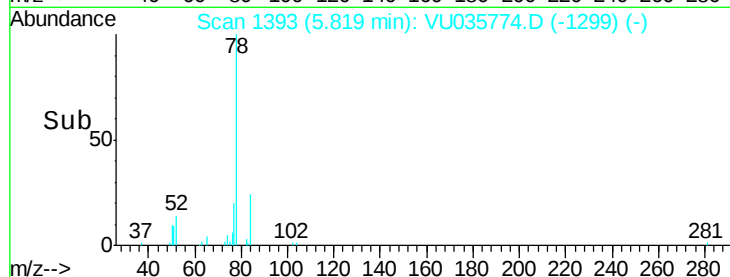
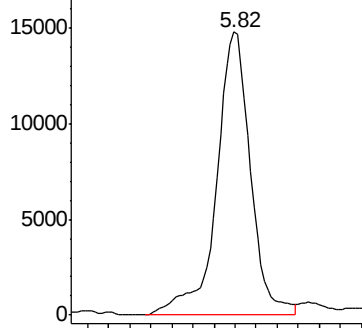
ClientSampleId :

GAQK3DL

Tgt Ion: 78 Resp: 33282



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 2.775 ug/L

RT: 6.80 min Scan# 1698

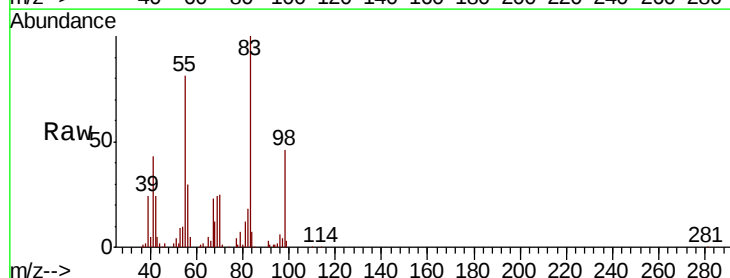
Delta R.T. -0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Tgt Ion: 83 Resp: 83691

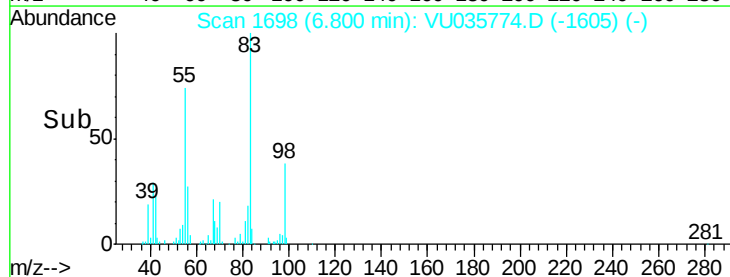
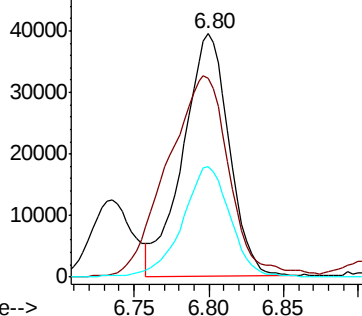
Ion	Ratio	Lower	Upper
83	100		
55	112.8	62.6	93.8#
98	48.1	37.2	55.8

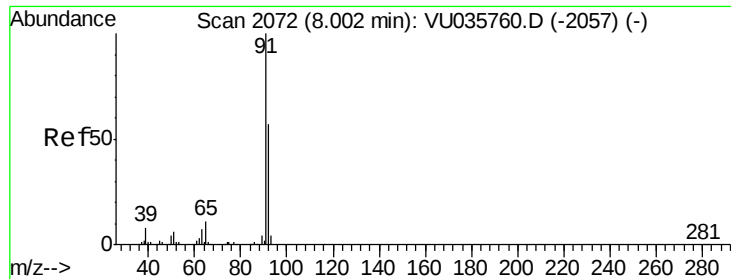


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.114 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

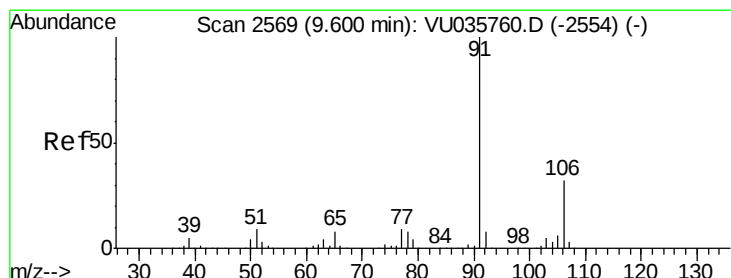
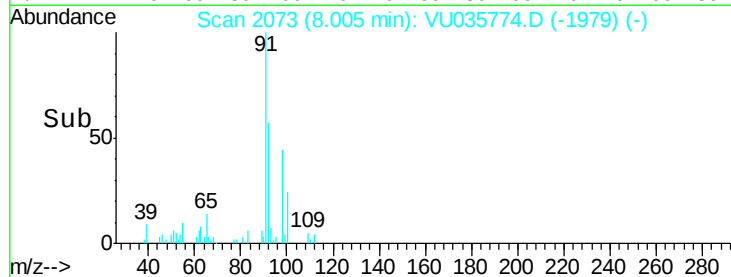
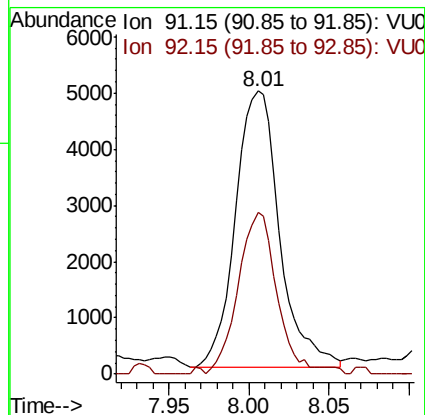
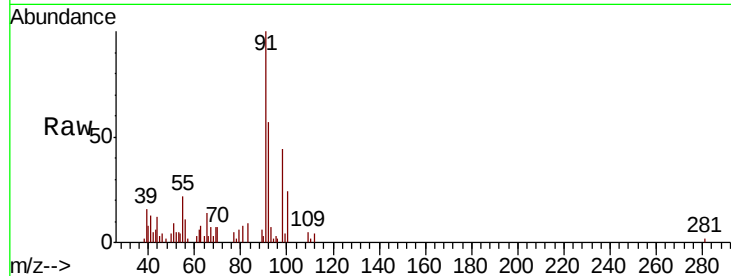
GAQK3DL

Tot Ion: 91 Resp: 9276

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.3



#52

Ethylbenzene

Concen: 2.481 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035774.D

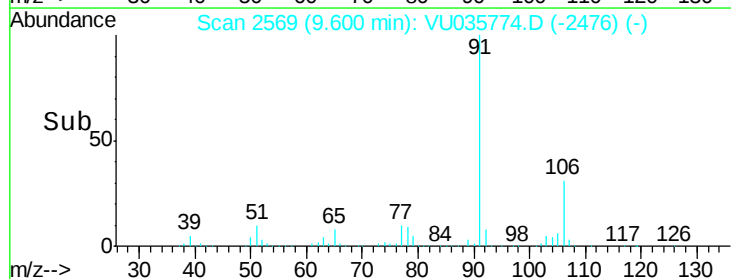
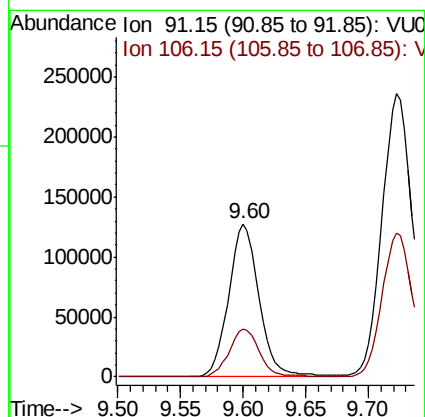
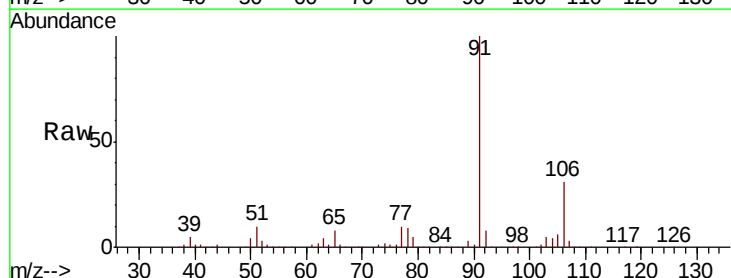
Acq: 19 Nov 2019 16:55

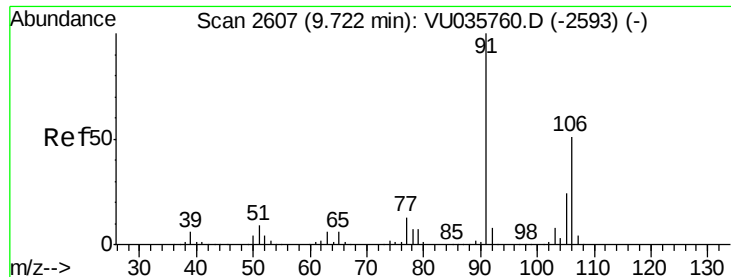
Tgt Ion: 91 Resp: 212472

Ion Ratio Lower Upper

91 100

106 31.4 22.4 41.6





#53

m,p-Xylene

Concen: 6.628 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

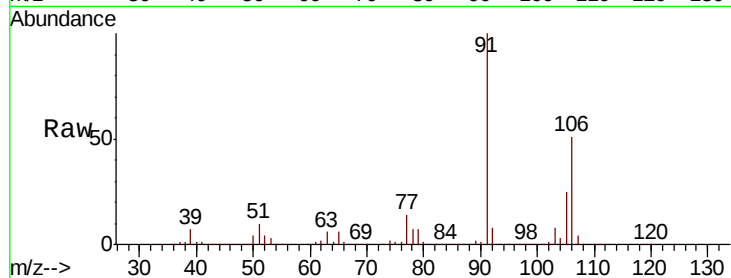
GAQK3DL

Tot Ion:106 Resp: 214927

Ion Ratio Lower Upper

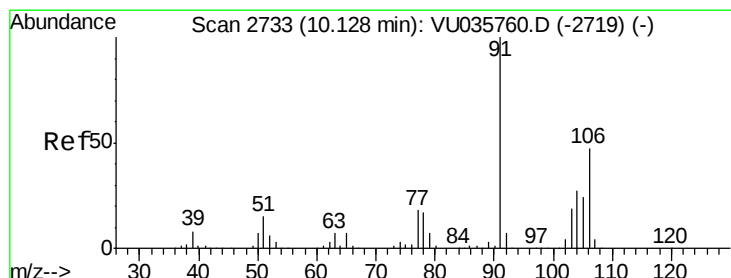
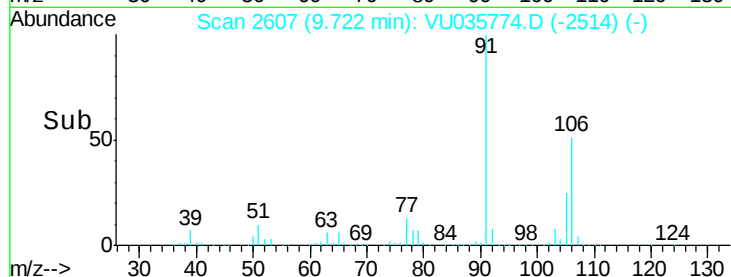
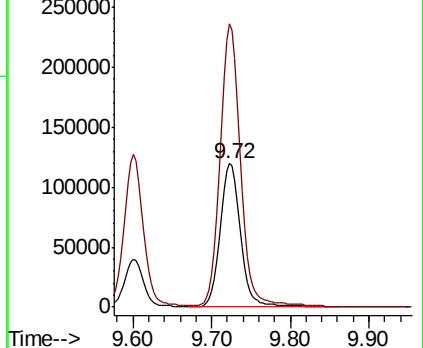
106 100

91 197.0 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.667 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU035774.D

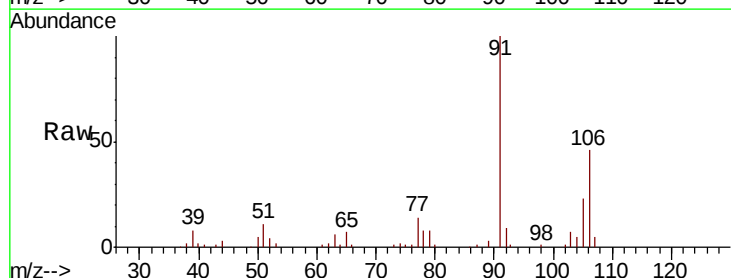
Acq: 19 Nov 2019 16:55

Tgt Ion:106 Resp: 20902

Ion Ratio Lower Upper

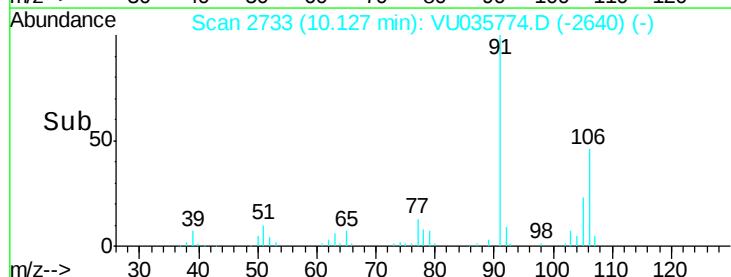
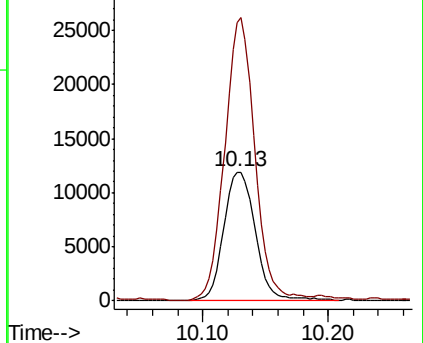
106 100

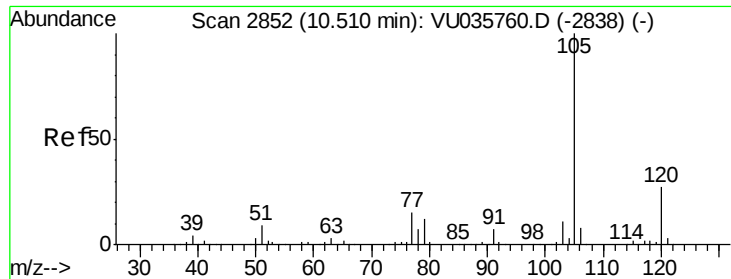
91 216.2 147.7 274.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 1.362 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035774.D

Acq: 19 Nov 2019 16:55

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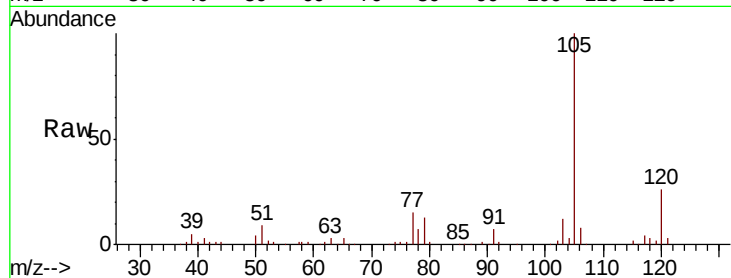
Tot Ion:105 Resp: 112681

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

77 15.6 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

