

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
 Data File : VU032356.D
 Acq On : 29 May 2019 13:16
 Operator : JC/SP
 Sample : K3045-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54

Quant Time: May 30 08:25:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 30 05:34:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	417309	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413446	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	203717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	134046	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.68	69	115871	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.27	63	195063	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.19	46	326227	49.35	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.70%
24) Chloroform-d	4.64	84	253979	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	120064	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
32) Benzene-d6	5.33	84	533079	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	160103	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.56	98	533770	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	58590	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.31	63	272410	49.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126924	3.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	67.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	200135	3.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.40%#

Target Compounds

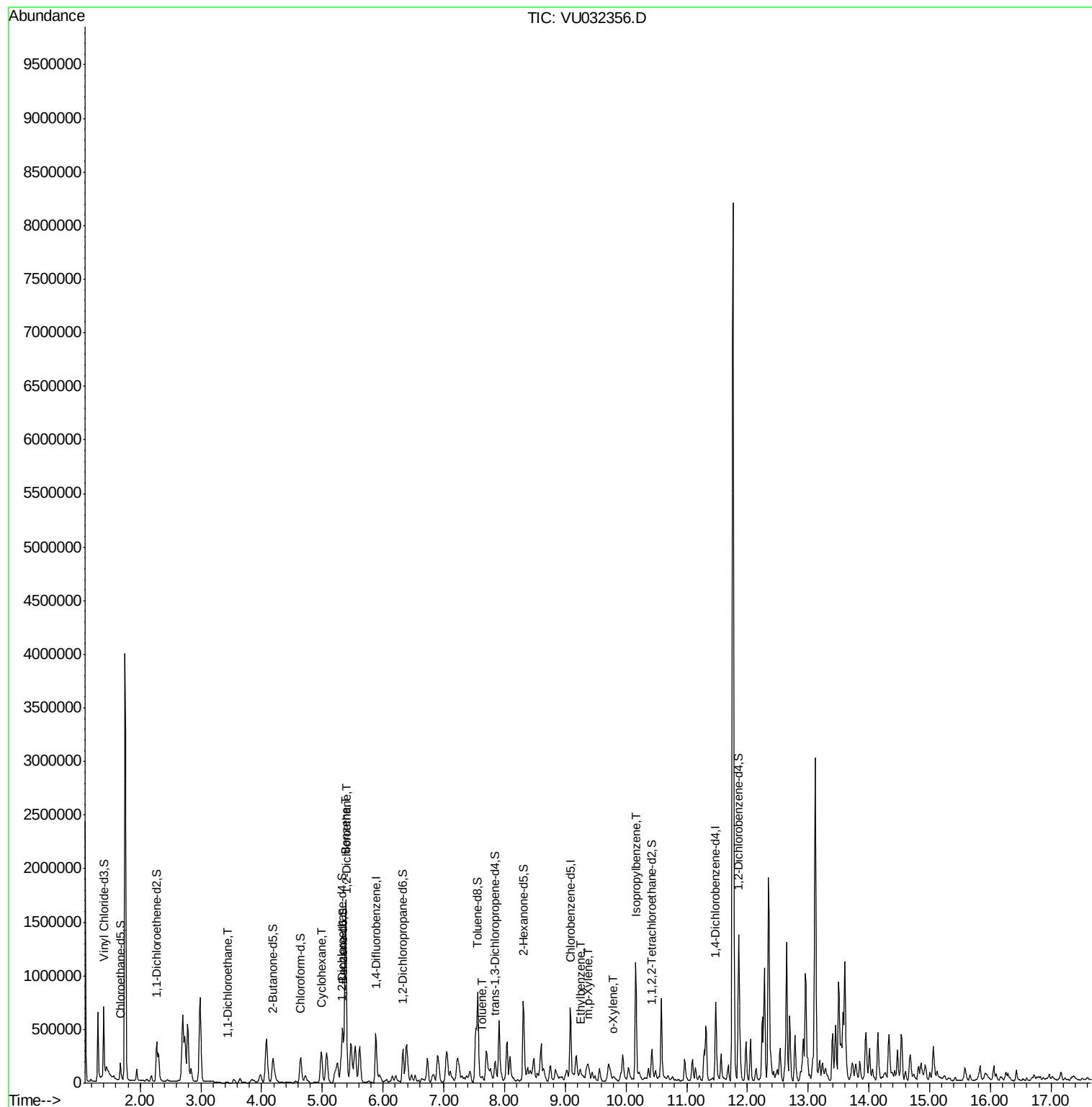
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.44	63	5497	0.223	ug/L #	92
27) 1,2-Dichloroethane	5.40	62	31859	2.059	ug/L #	92
30) Cyclohexane	4.98	56	144461	7.201	ug/L	92
33) Benzene	5.38	78	1773577	31.712	ug/L	100
42) Toluene	7.64	91	18936	0.319	ug/L	92
52) Ethylbenzene	9.25	91	29423	0.492	ug/L	100
53) m,p-Xylene	9.37	106	10469	0.471	ug/L	93
54) o-Xylene	9.78	106	5008	0.225	ug/L	85
56) Isopropylbenzene	10.16	105	732470	13.035	ug/L	99

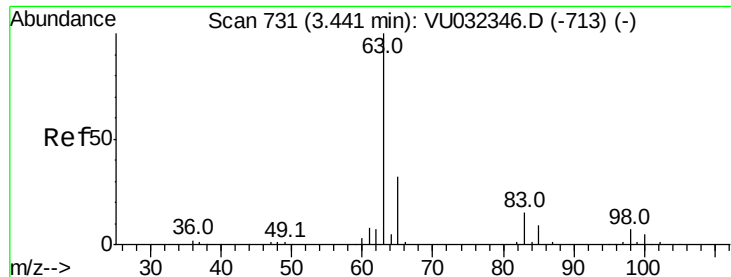
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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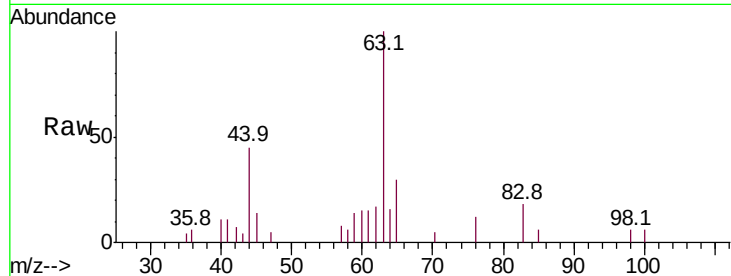




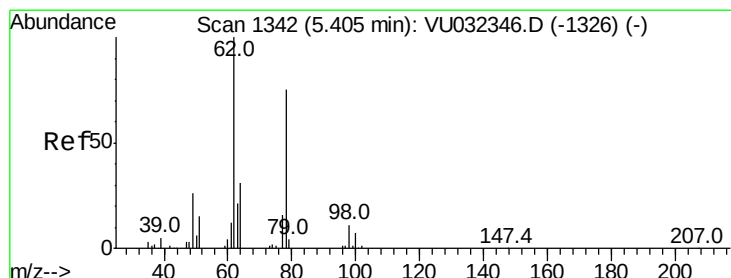
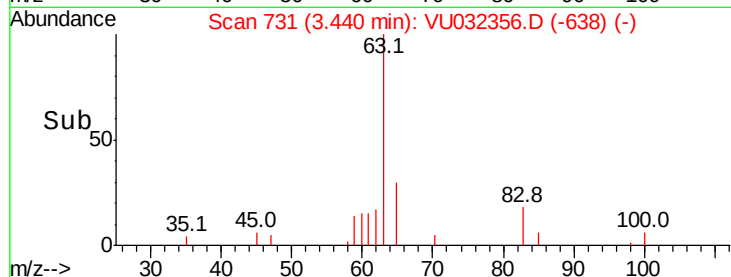
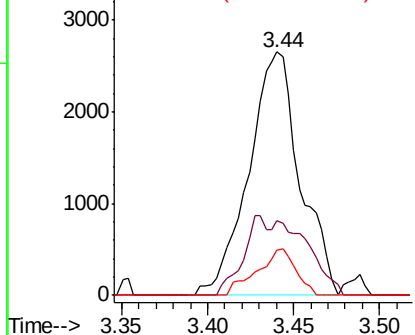
#19
 1,1-Dichloroethane
 Concen: 0.223 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU032356.D
 Acq: 29 May 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C54

Tot Ion: 63 Resp: 5497
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.5 43.7
 83 18.4 8.8 16.3#

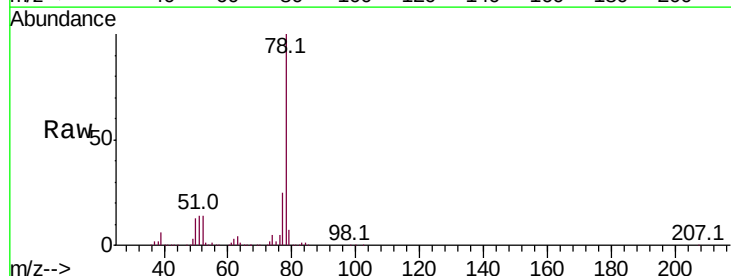


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

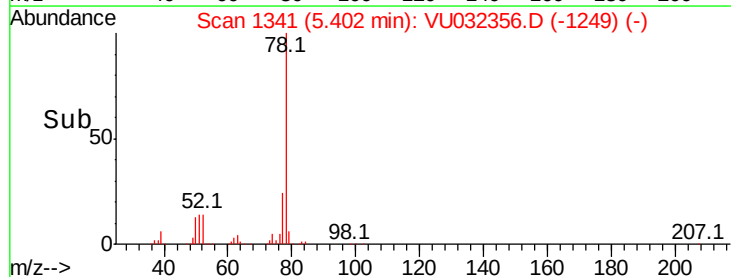
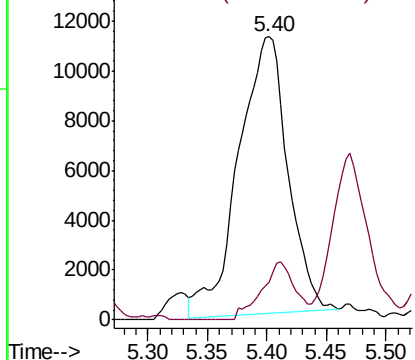


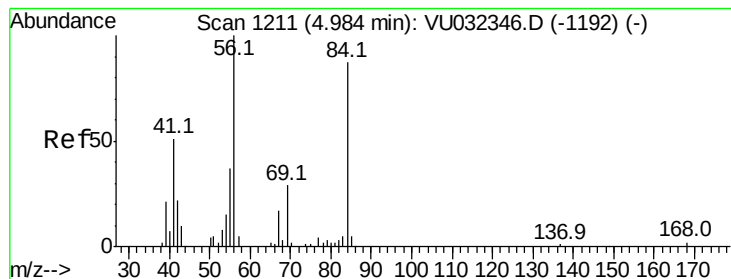
#27
 1,2-Dichloroethane
 Concen: 2.059 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VU032356.D
 Acq: 29 May 2019 13:16

Tgt Ion: 62 Resp: 31859
 Ion Ratio Lower Upper
 62 100
 98 13.3 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0





#30

Cyclohexane

Concen: 7.201 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0C54

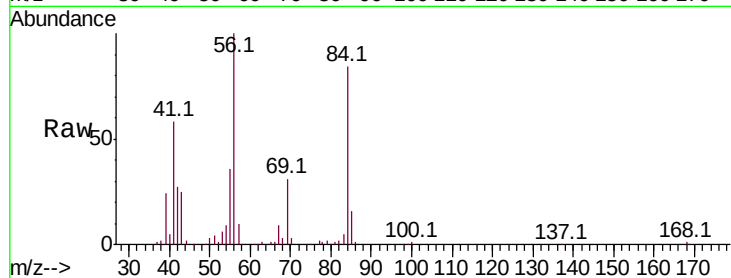
Tot Ion: 56 Resp: 144461

Ion Ratio Lower Upper

56 100

69 29.1 26.6 39.8

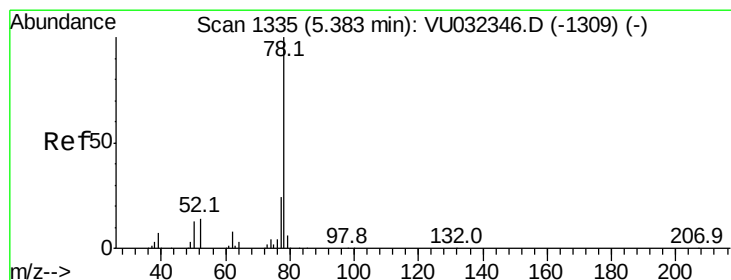
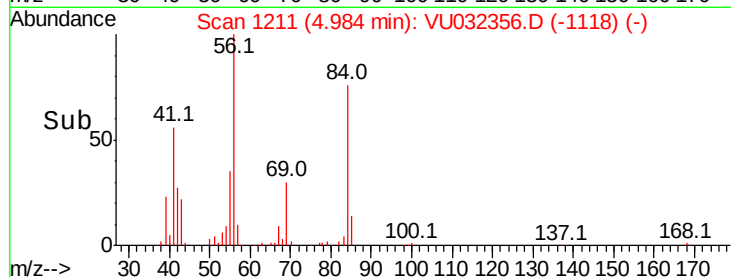
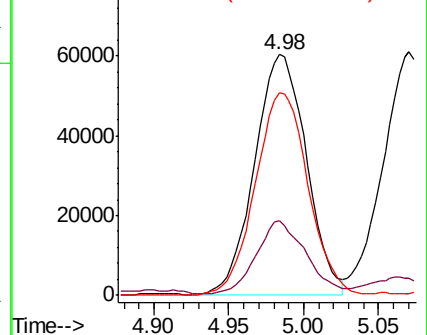
84 86.3 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU032346.D (-1192) (-)

Ion 69.15 (68.85 to 69.85): VU032346.D (-1192) (-)

Ion 84.15 (83.85 to 84.85): VU032346.D (-1192) (-)



#33

Benzene

Concen: 31.712 ug/L

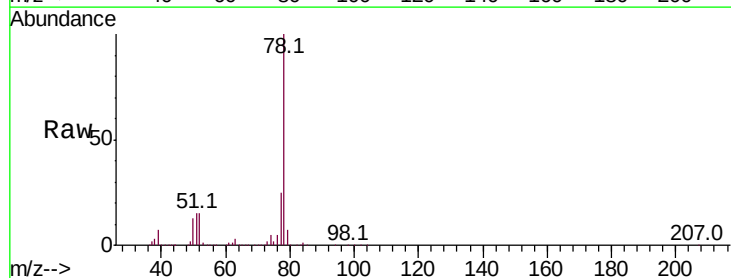
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

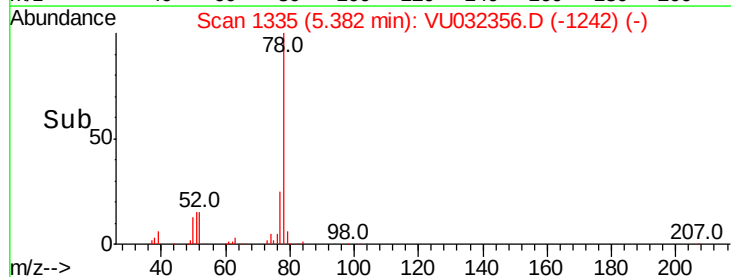
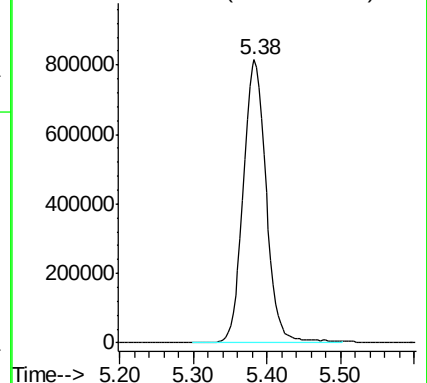
Lab File: VU032356.D

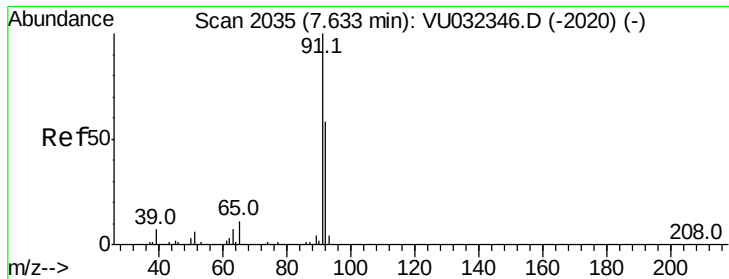
Acq: 29 May 2019 13:16

Tgt Ion: 78 Resp: 1773577



Abundance Ion 78.10 (77.80 to 78.80): VU032346.D (-1309) (-)





#42

Toluene

Concen: 0.319 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

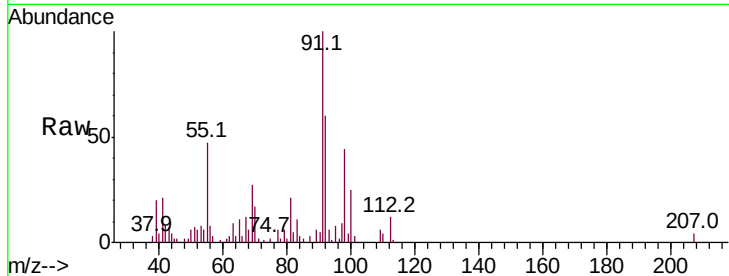
C0C54

Tot Ion: 91 Resp: 18936

Ion Ratio Lower Upper

91 100

92 60.4 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

12000

10000

8000

6000

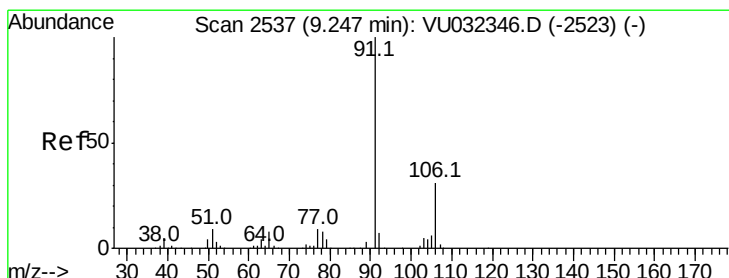
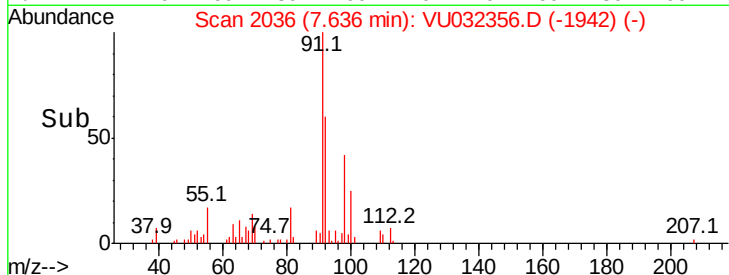
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#52

Ethylbenzene

Concen: 0.492 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU032356.D

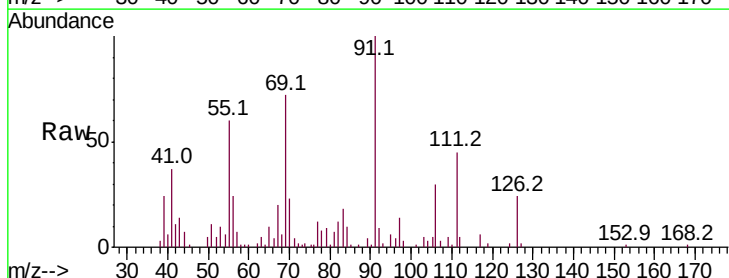
Acq: 29 May 2019 13:16

Tgt Ion: 91 Resp: 29423

Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

20000

15000

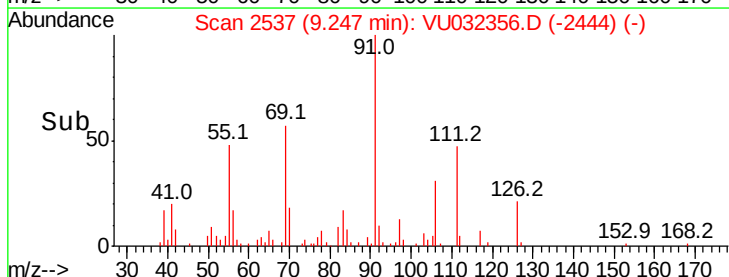
10000

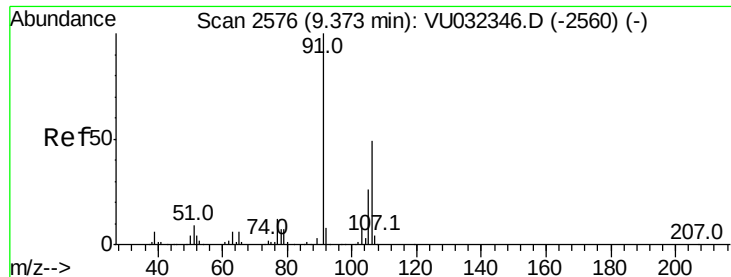
5000

0

9.20 9.25 9.30

Time-->





#53

m,p-Xylene

Concen: 0.471 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

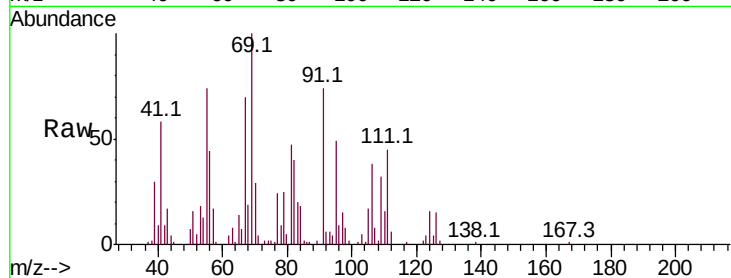
C0C54

Tot Ion:106 Resp: 10469

Ion Ratio Lower Upper

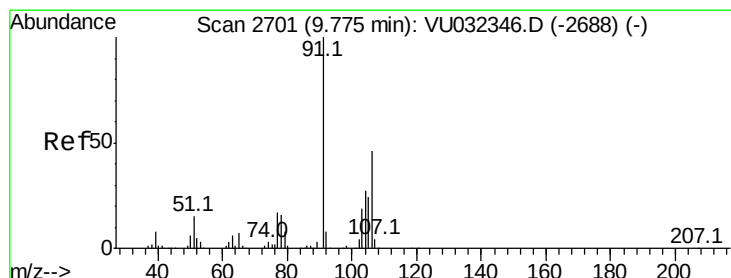
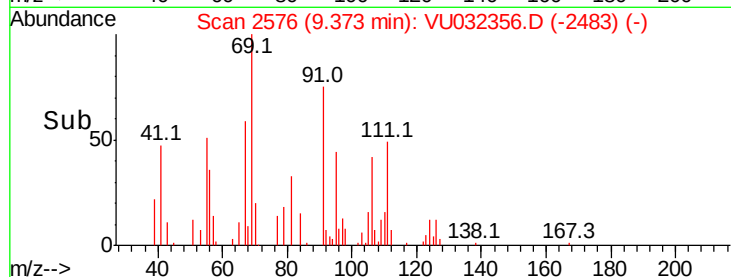
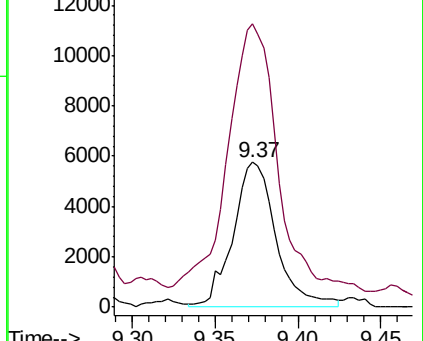
106 100

91 195.1 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.225 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032356.D

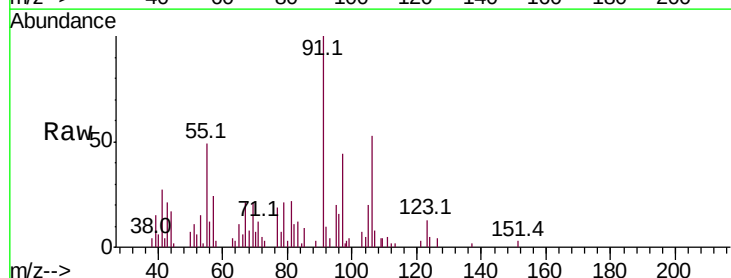
Acq: 29 May 2019 13:16

Tgt Ion:106 Resp: 5008

Ion Ratio Lower Upper

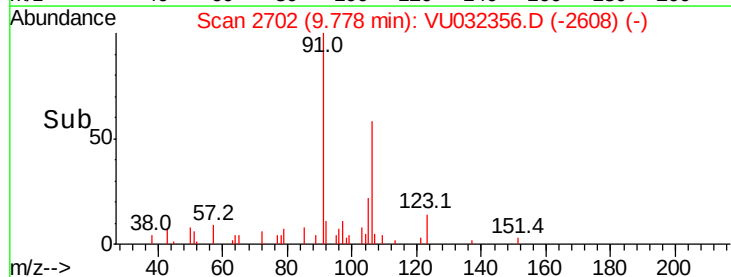
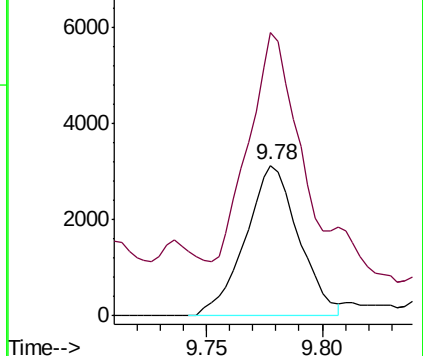
106 100

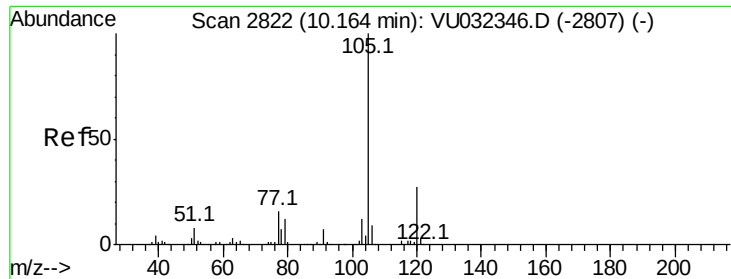
91 187.7 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 13.035 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032356.D

Acq: 29 May 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

C0C54

Tot Ion:105 Resp: 732470

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

77 14.3 11.9 17.9

