

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052419\
 Data File : VU032305.D
 Acq On : 24 May 2019 11:52
 Operator : JC/SP
 Sample : K3001-13MS 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF7MS

Quant Time: May 25 00:06:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 23:32:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	797380	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	787233	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	349398	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	213025	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.22%
7) Chloroethane-d5	1.67	69	205322	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.66%
11) 1,1-Dichloroethene-d2	2.27	63	427022	51.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.32%
21) 2-Butanone-d5	4.17	46	354244	89.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.08%
24) Chloroform-d	4.64	84	469787	44.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.42%
26) 1,2-Dichloroethane-d4	5.31	65	290251	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.98%
32) Benzene-d6	5.33	84	967061	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.50%
36) 1,2-Dichloropropane-d6	6.32	67	300177	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.56	98	870857	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%
43) trans-1,3-Dichloropropene-	7.85	79	138337	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
47) 2-Hexanone-d5	8.31	63	250497	93.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	460973	43.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	362537	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%

Target Compounds

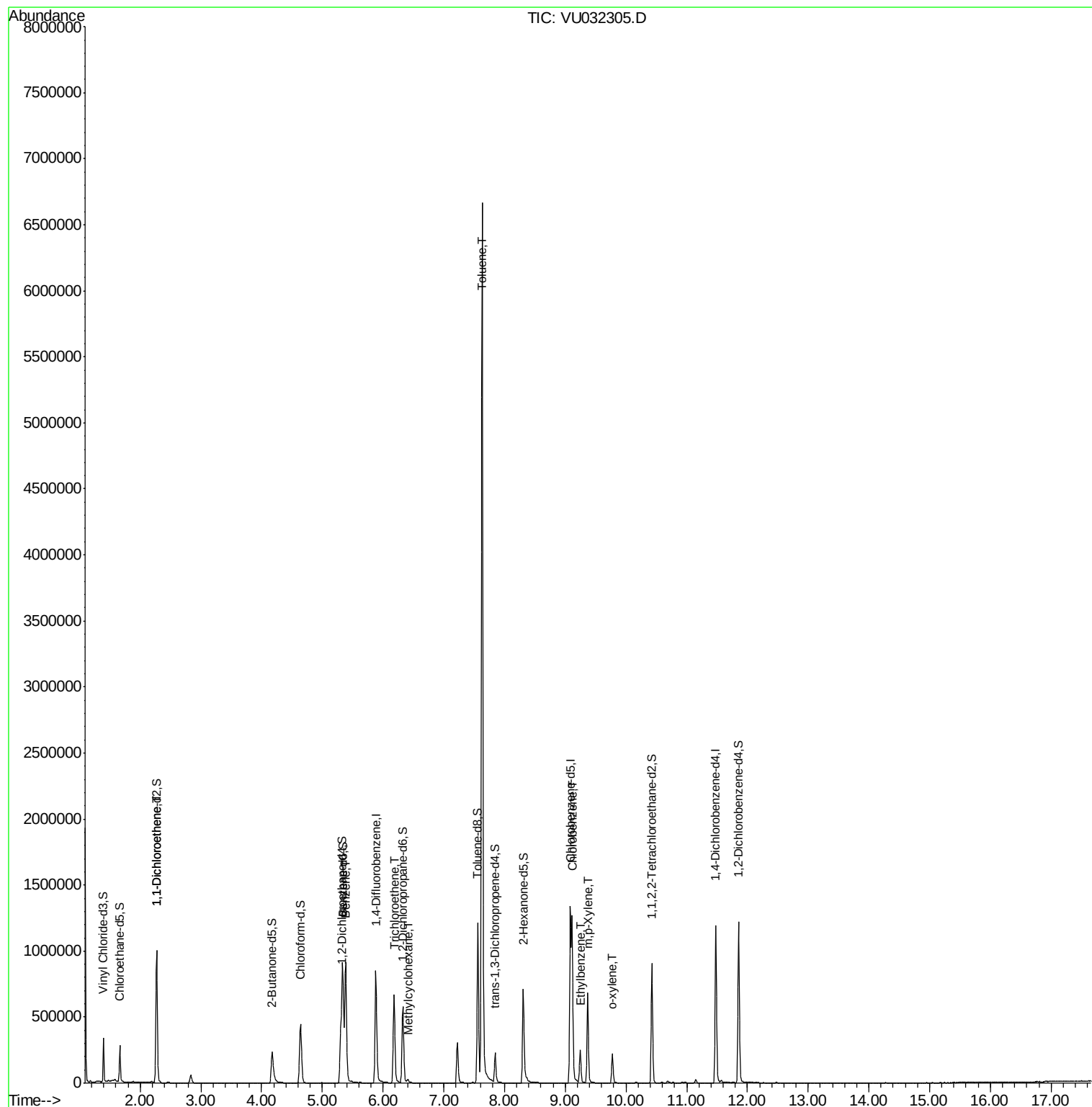
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	212586	45.489	ug/L	98
33) Benzene	5.38	78	980305	43.572	ug/L	100
34) Trichloroethene	6.18	95	242871	43.605	ug/L	98
35) Methylcyclohexane	6.41	83	9987	1.480	ug/L	98
42) Toluene	7.63	91	5245425	221.220	ug/L	100
51) Chlorobenzene	9.12	112	718361	45.201	ug/L	99
52) Ethylbenzene	9.25	91	189801	7.876	ug/L	98
53) m,p-Xylene	9.37	106	209563	22.530	ug/L	100
54) o-xylene	9.78	106	63715	6.569	ug/L	100

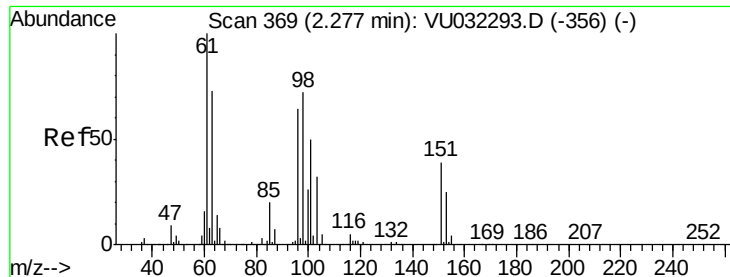
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri May 24 23:32:32 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 45.489 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

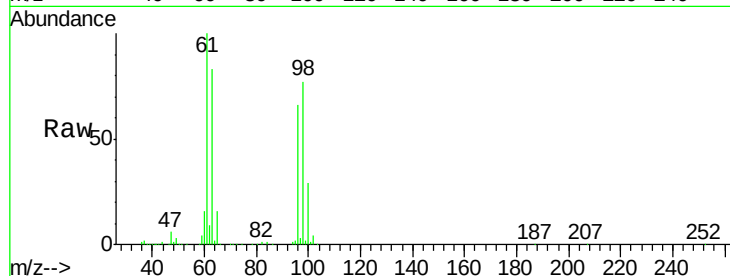
Tot Ion: 96 Resp: 212586

Ion Ratio Lower Upper

96 100

61 151.9 108.0 200.6

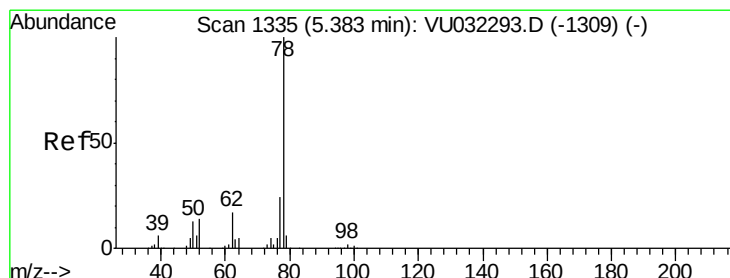
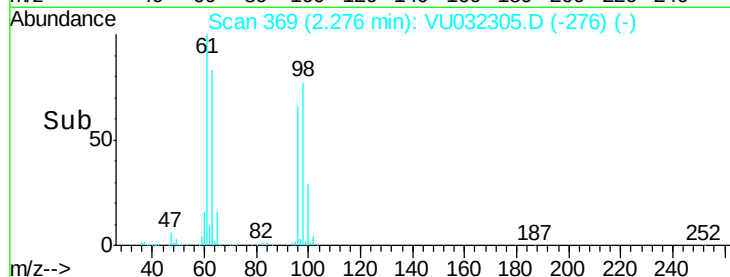
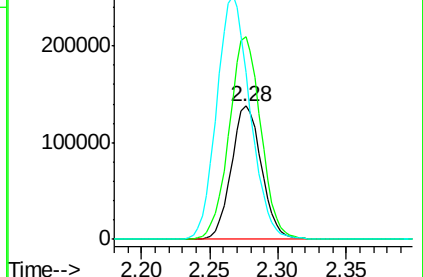
63 125.3 85.5 158.7



Abundance Ion 96.00 (95.70 to 96.70): VU032293.D (-356) (-)

Ion 61.00 (60.70 to 61.70): VU032293.D (-356) (-)

Ion 63.00 (62.70 to 63.70): VU032293.D (-356) (-)



#33

Benzene

Concen: 43.572 ug/L

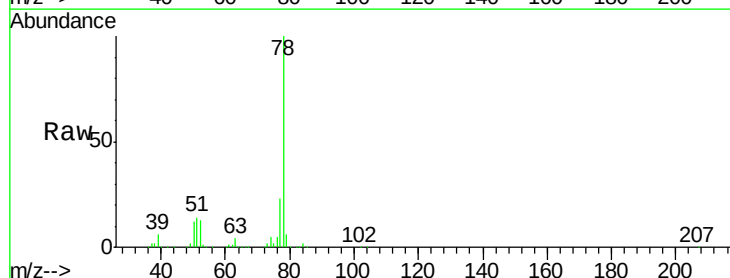
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032305.D

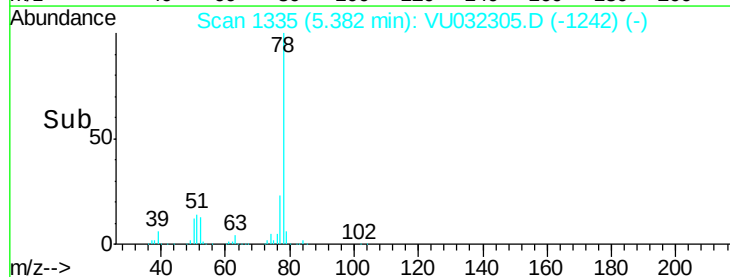
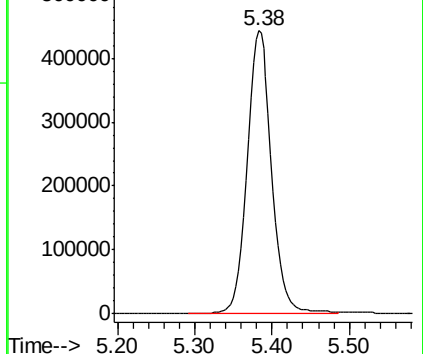
Acq: 24 May 2019 11:52

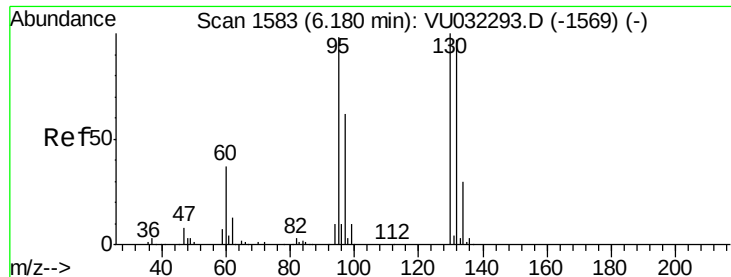
Tgt Ion: 78 Resp: 980305



Abundance Ion 78.00 (77.70 to 78.70): VU032293.D (-1309) (-)

Ion 78.00 (77.70 to 78.70): VU032293.D (-1309) (-)





#34

Trichloroethene

Concen: 43.605 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

Tot Ion: 95 Resp: 242871

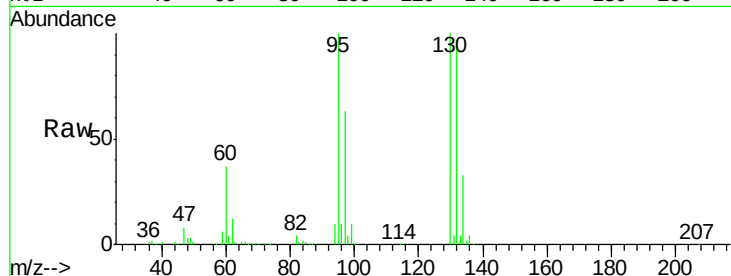
Ion Ratio Lower Upper

95 100

97 63.1 45.3 84.1

132 97.2 68.0 126.2

130 99.8 73.2 136.0

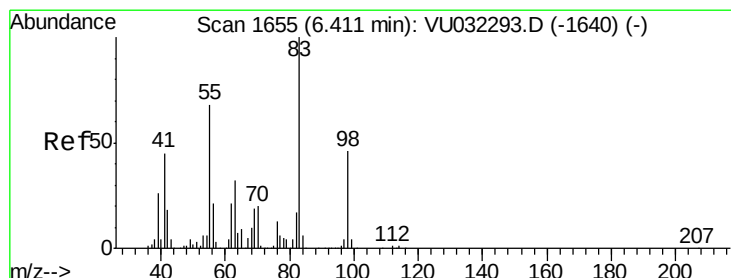
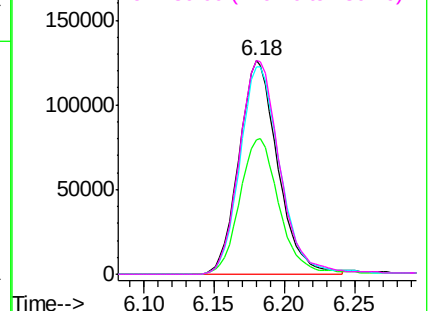
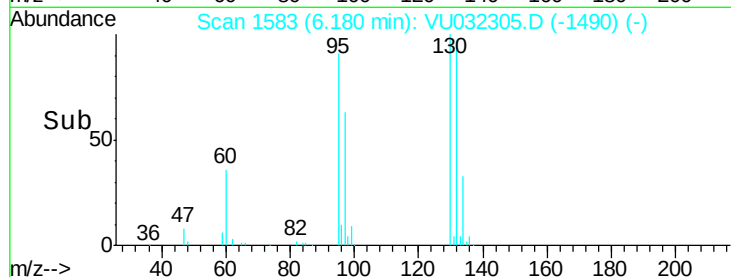


Abundance Ion 95.00 (94.70 to 95.70): VU032305.D (-1490) (-)

Ion 97.00 (96.70 to 97.70): VU032305.D (-1490) (-)

Ion 132.00 (131.70 to 132.70): VU032305.D (-1490) (-)

Ion 130.00 (129.70 to 130.70): VU032305.D (-1490) (-)



#35

Methylcyclohexane

Concen: 1.480 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

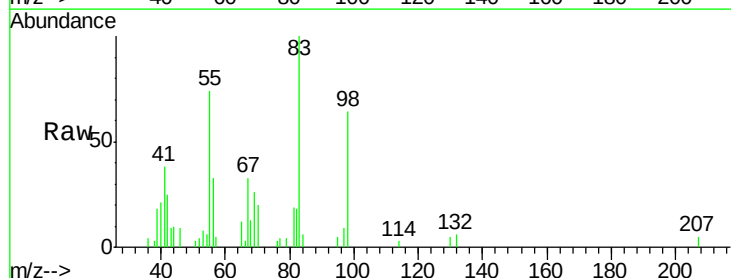
Tgt Ion: 83 Resp: 9987

Ion Ratio Lower Upper

83 100

55 67.3 56.1 84.1

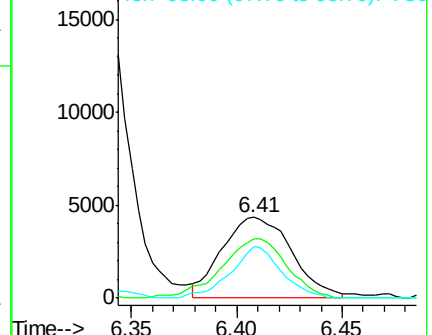
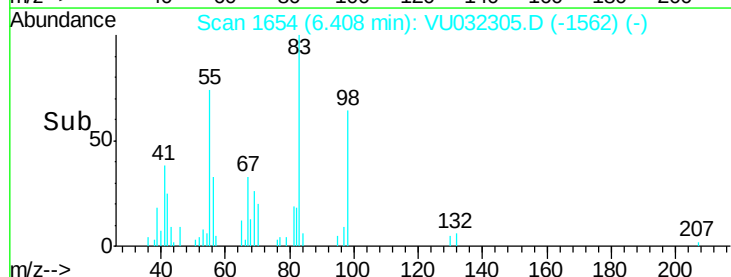
98 46.6 36.8 55.2

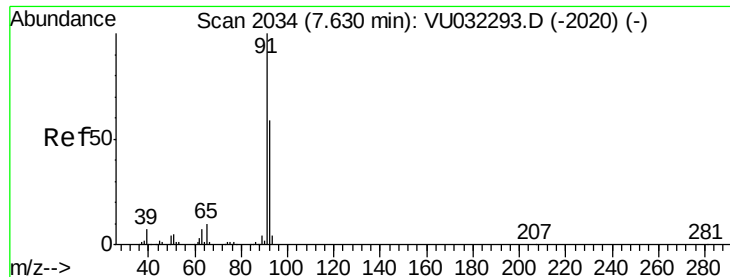


Abundance Ion 83.00 (82.70 to 83.70): VU032305.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032305.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032305.D (-1562) (-)





#42

Toluene

Concen: 221.220 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

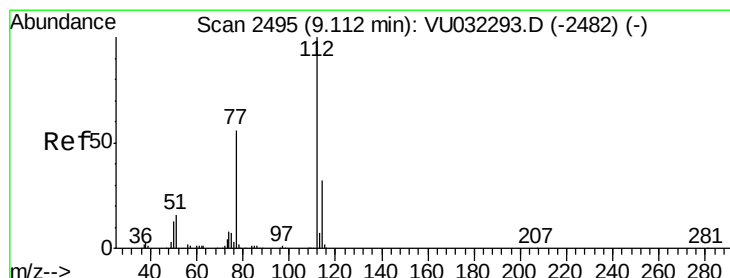
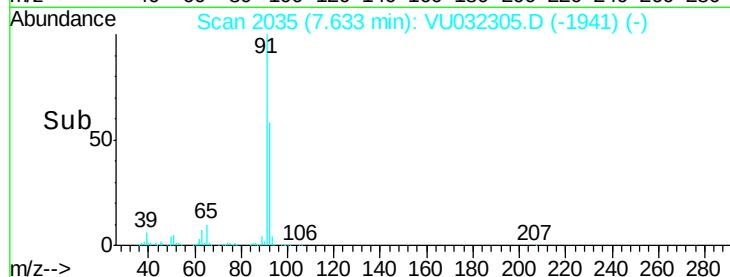
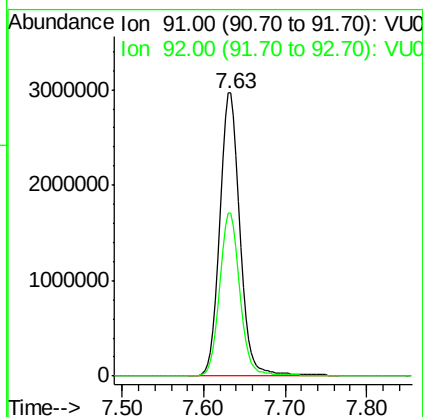
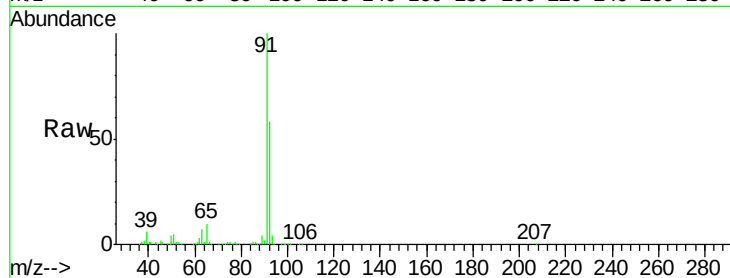
E3YF7MS

Tot Ion: 91 Resp: 5245425

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



#51

Chlorobenzene

Concen: 45.201 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

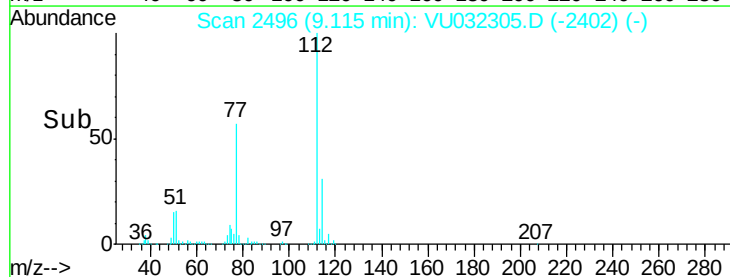
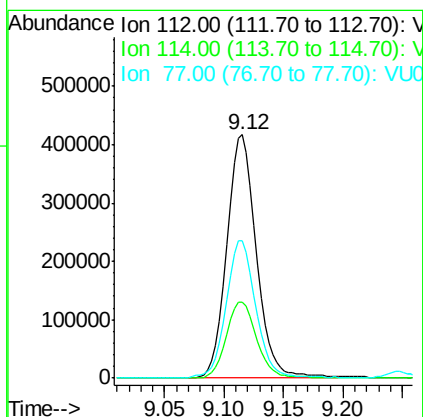
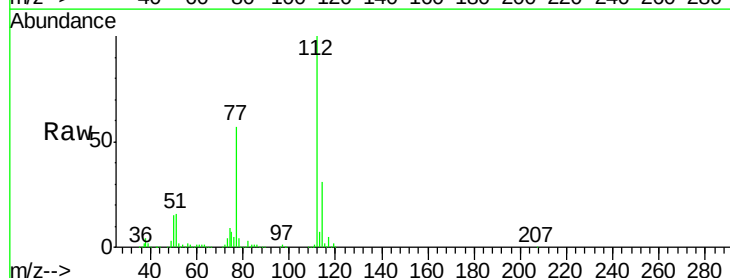
Tgt Ion: 112 Resp: 718361

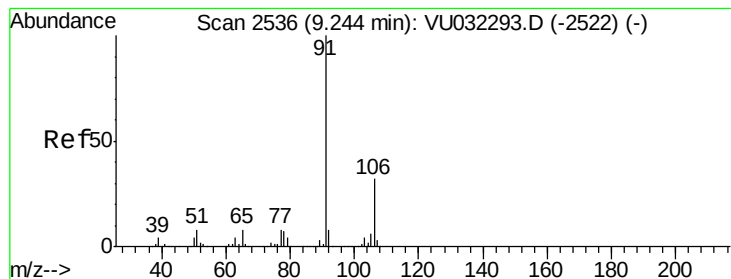
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 56.5 45.8 68.6





#52

Ethylbenzene

Concen: 7.876 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

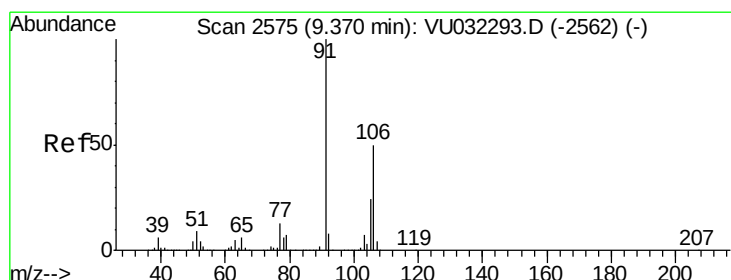
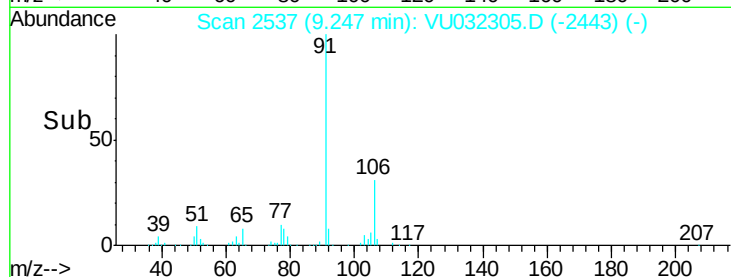
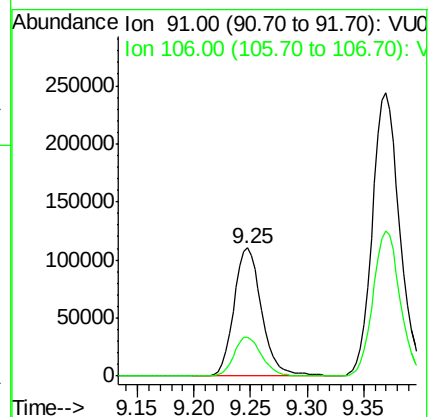
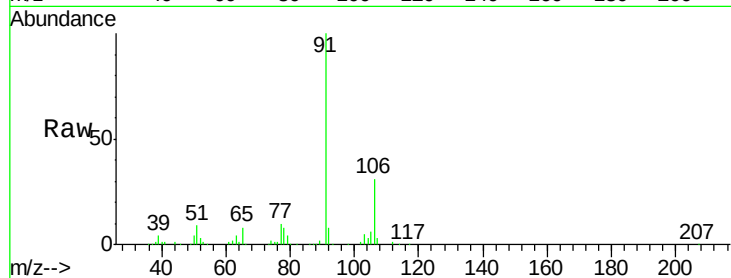
E3YF7MS

Tot Ion: 91 Resp: 189801

Ion Ratio Lower Upper

91 100

106 30.5 22.0 41.0



#53

m,p-Xylene

Concen: 22.530 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032305.D

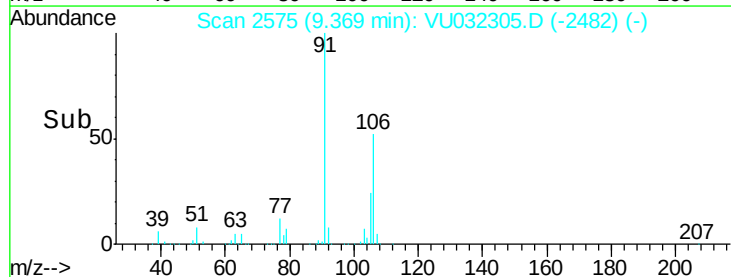
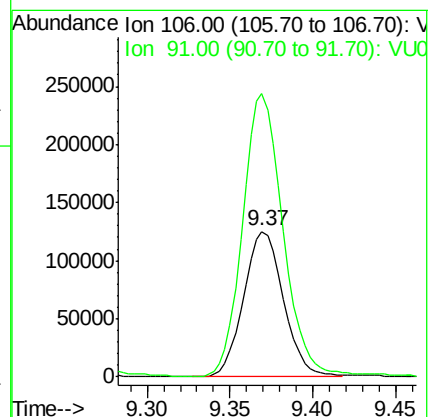
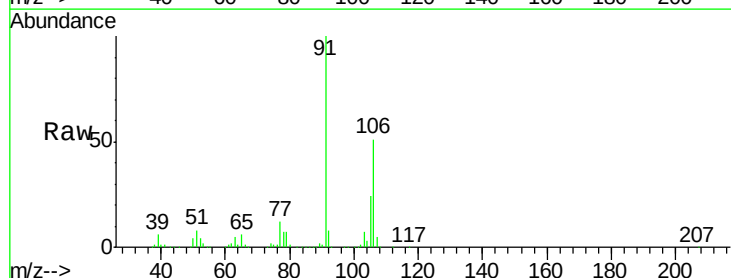
Acq: 24 May 2019 11:52

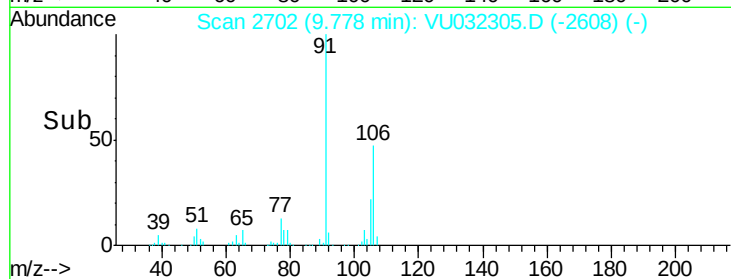
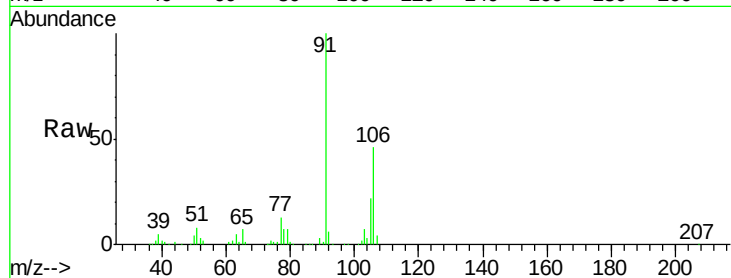
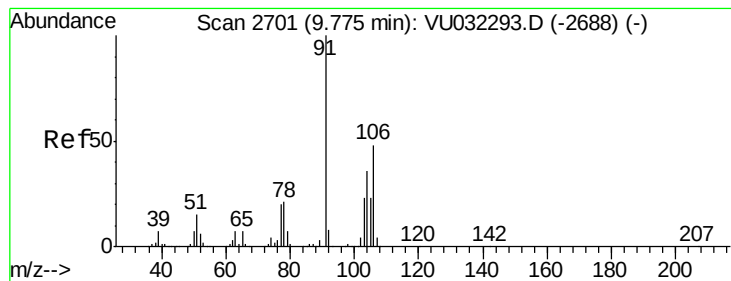
Tgt Ion: 106 Resp: 209563

Ion Ratio Lower Upper

106 100

91 194.4 136.5 253.5





#54

o-xylene

Concen: 6.569 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

Tot Ion:106 Resp: 63715

Ion Ratio Lower Upper

106 100

91 215.1 150.3 279.1

