

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 24 23:36:16 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

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4173	0.995	ug/L #	19
12) 1,1-Dichloroethene	2.28	96	212586	45.489	ug/L	98
13) Acetone	2.32	43	1649	0.515	ug/L	64
27) 1,2-Dichloroethane	5.39	62	5889	0.692	ug/L #	73
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
44) trans-1,3-Dichloropropene	7.85	75	5606	0.739	ug/L	94
48) 2-Hexanone	8.37	43	9030	1.430	ug/L #	79
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
59) 1,2,3-Trichloropropane	11.48	75	33403	3.853	ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052419\
Quantitation Report (Not Reviewed)

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QLast Update : Fri May 24 23:32:32 2019
Response via : Initial Calibration

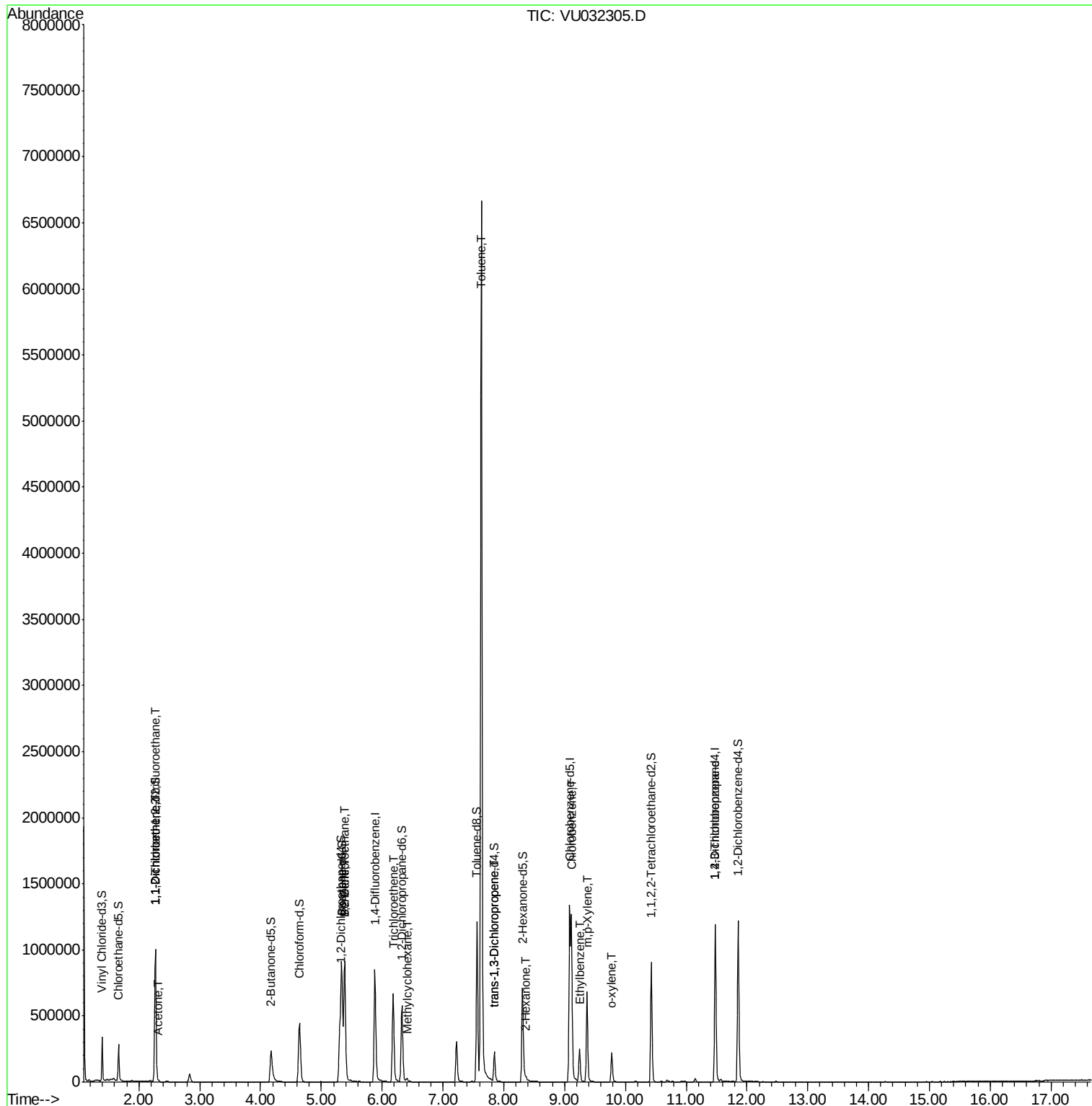
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

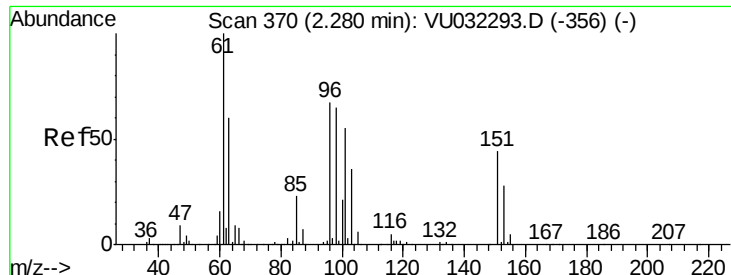
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.995 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

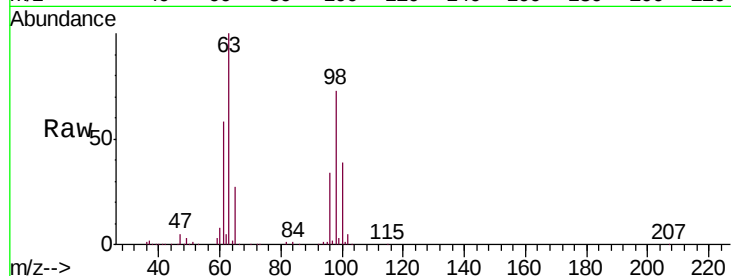
Tgt Ion:101 Resp: 4173

Ion Ratio Lower Upper

101 100

85 1.1 32.8 49.2#

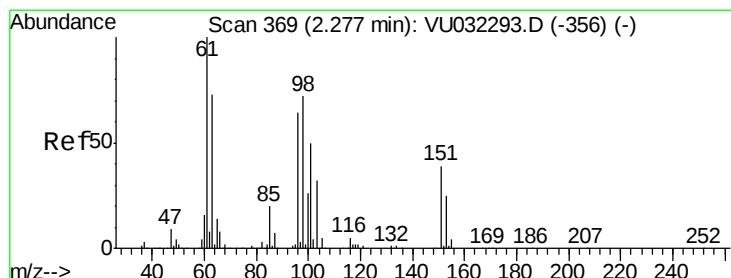
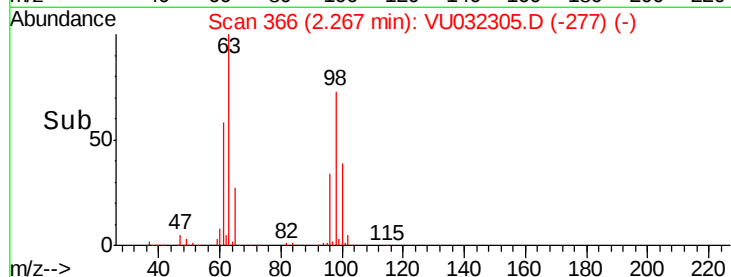
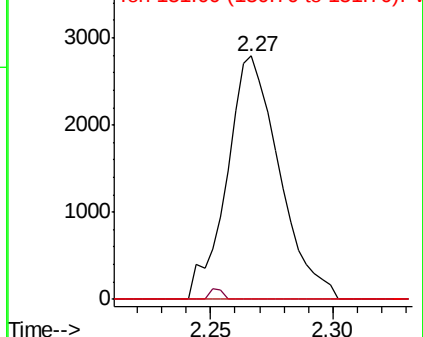
151 0.0 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#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

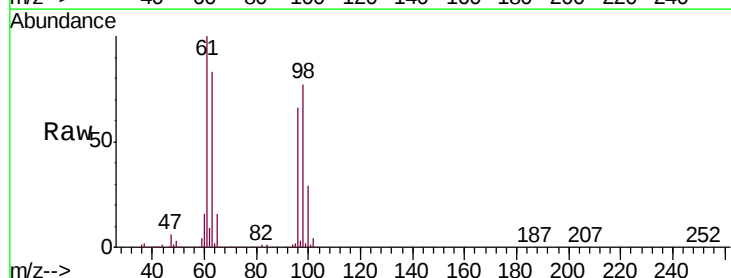
Tgt Ion: 96 Resp: 212586

Ion Ratio Lower Upper

96 100

61 151.9 108.0 200.6

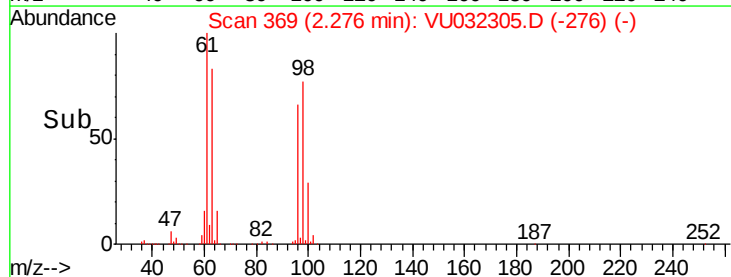
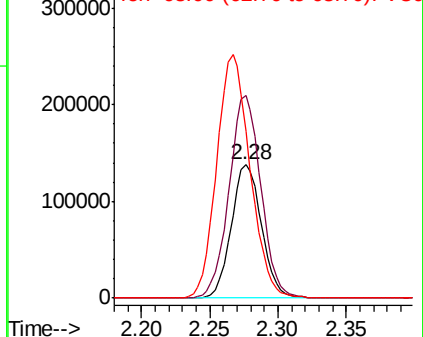
63 125.3 85.5 158.7

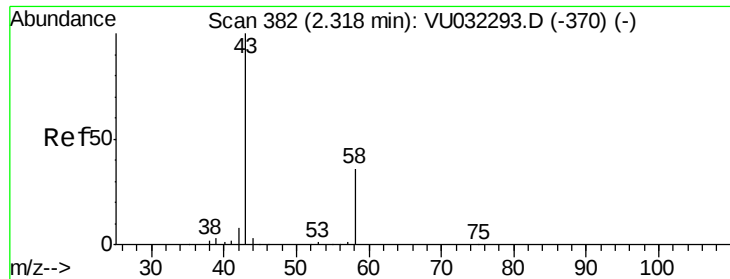


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.515 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

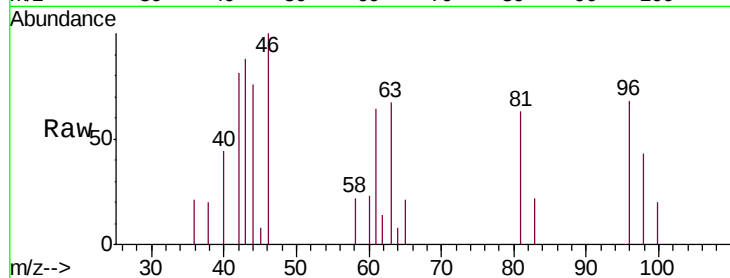
E3YF7MS

Tgt Ion: 43 Resp: 1649

Ion Ratio Lower Upper

43 100

58 17.0 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032293.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032293.D (-370) (-)

2.32

1200

1000

800

600

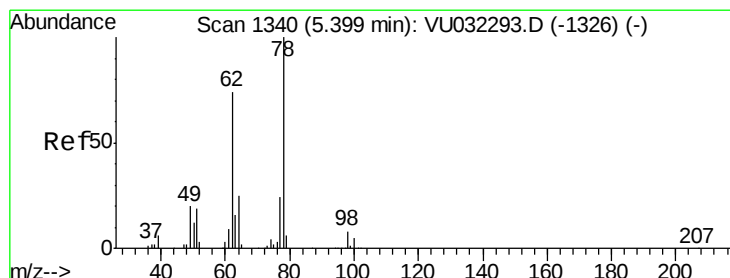
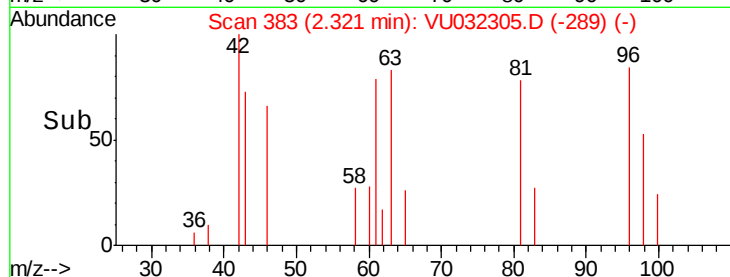
400

200

0

Time-->

2.28 2.30 2.32 2.34 2.36



#27

1,2-Dichloroethane

Concen: 0.692 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU032305.D

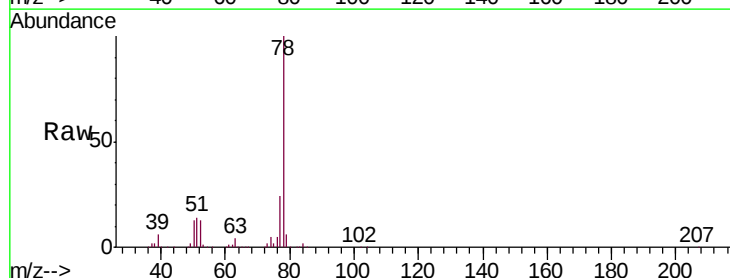
Acq: 24 May 2019 11:52

Tgt Ion: 62 Resp: 5889

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



Abundance Ion 62.00 (61.70 to 62.70): VU032293.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032293.D (-1326) (-)

5.39

3000

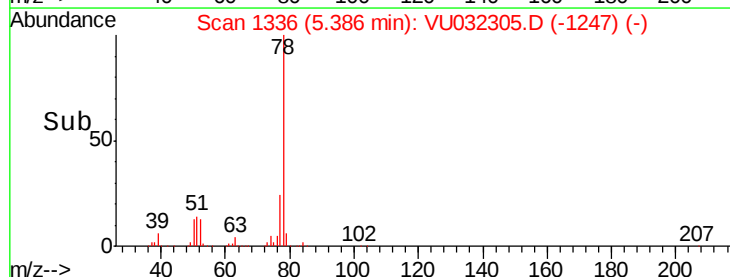
2000

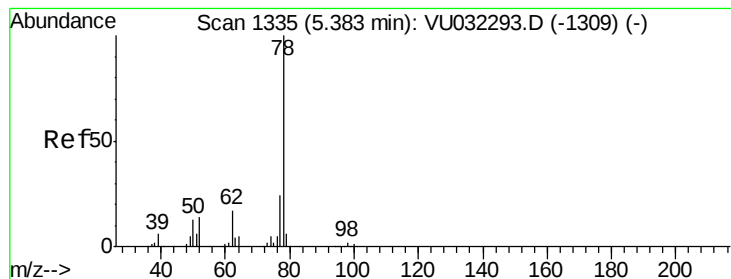
1000

0

Time-->

5.35 5.40





#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

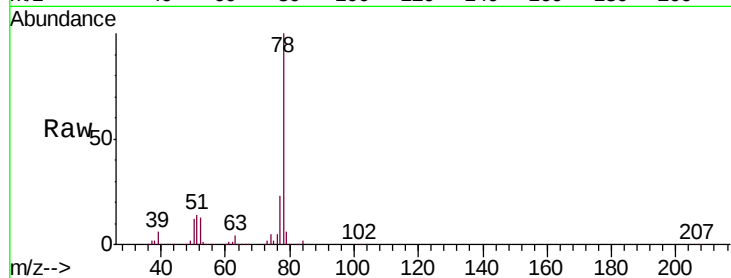
Instrument :

MSVOA_U

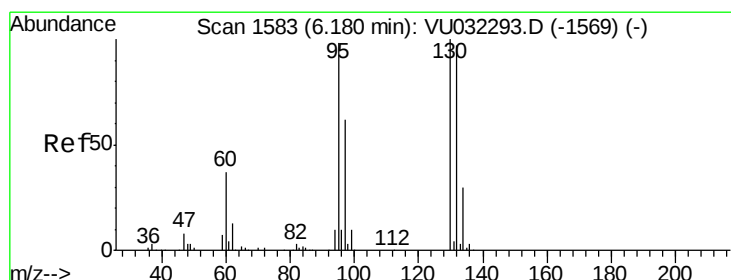
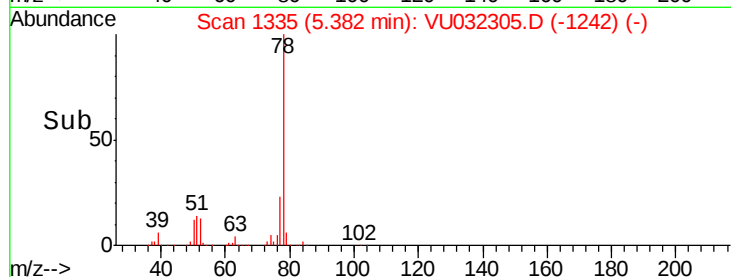
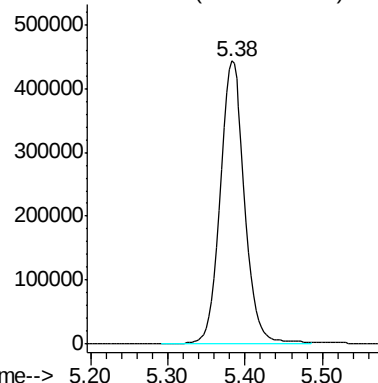
ClientSampleId :

E3YF7MS

Tgt Ion: 78 Resp: 980305



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 43.605 ug/L

RT: 6.18 min Scan# 1583

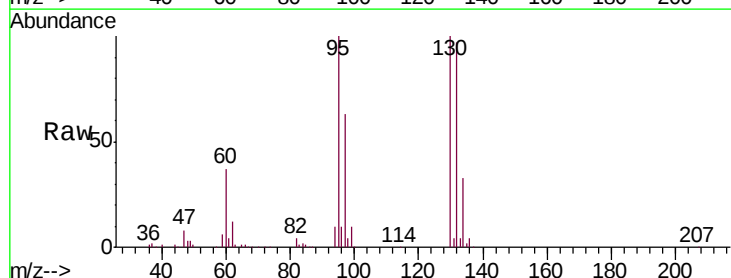
Delta R.T. -0.00 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Tgt 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

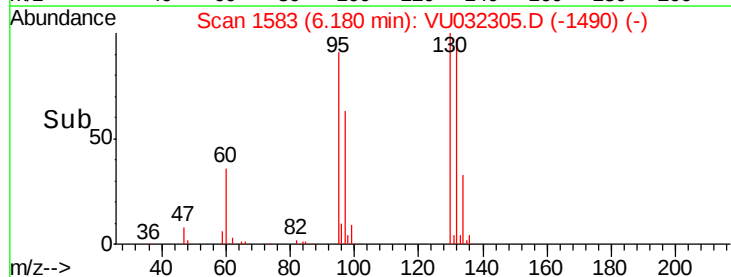
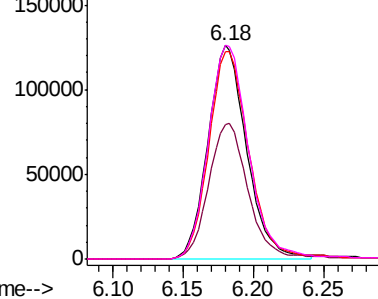


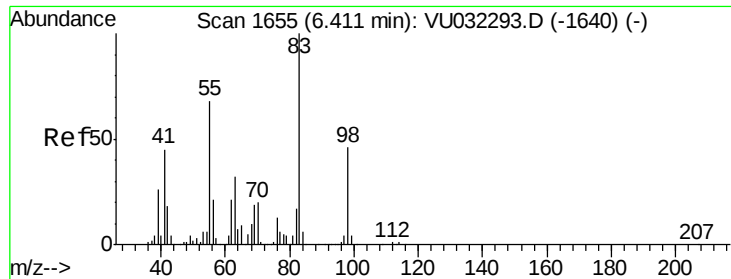
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

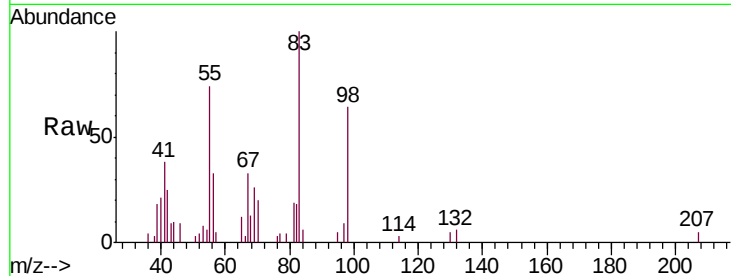




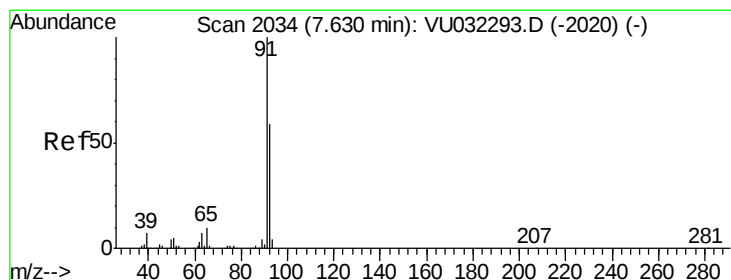
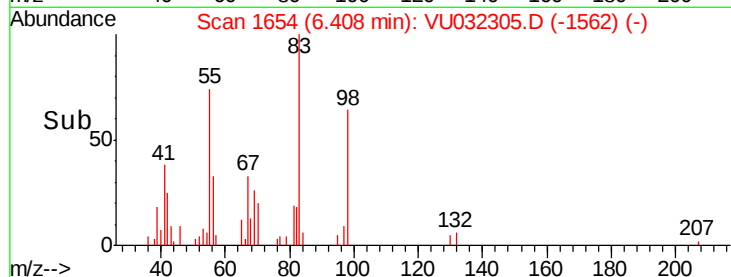
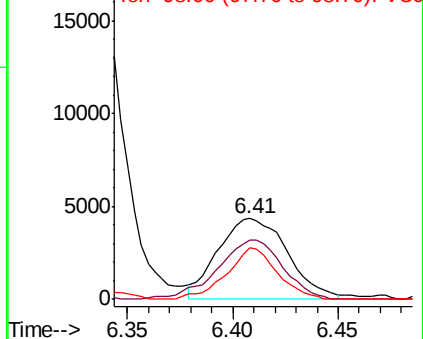
#35
Methylcyclohexane
Concen: 1.480 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU032305.D
Acq: 24 May 2019 11:52

Instrument :
MSVOA_U
ClientSampleId :
E3YF7MS

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

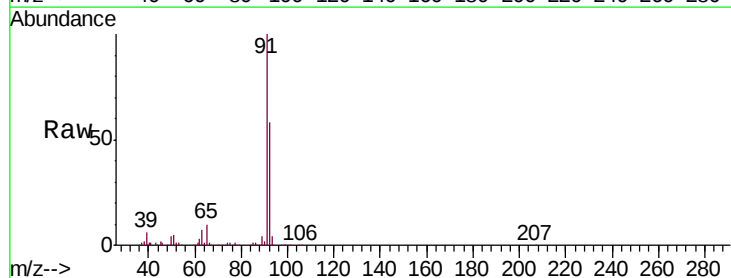


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

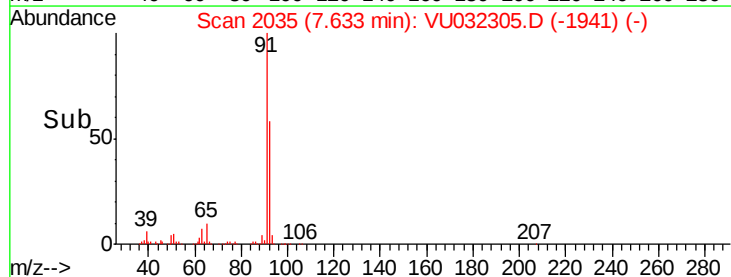
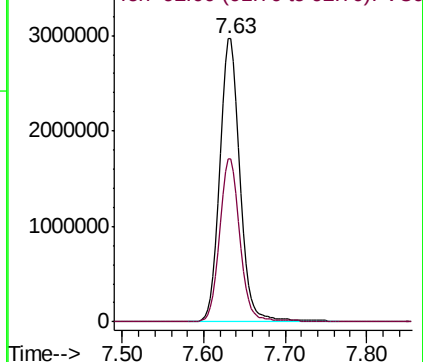


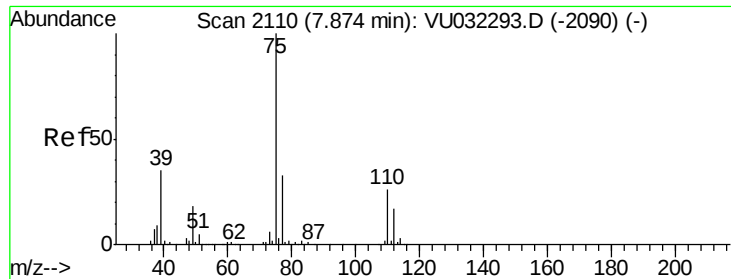
#42
Toluene
Concen: 221.220 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU032305.D
Acq: 24 May 2019 11:52

Tgt Ion: 91 Resp: 5245425
Ion Ratio Lower Upper
91 100
92 57.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

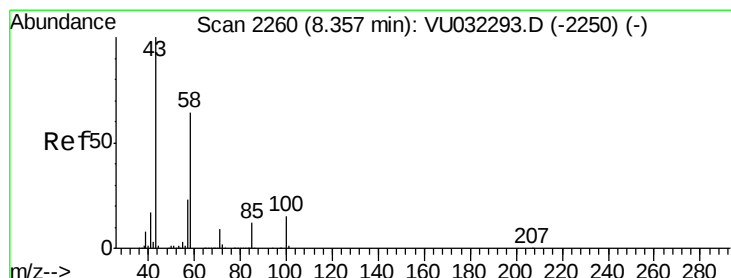
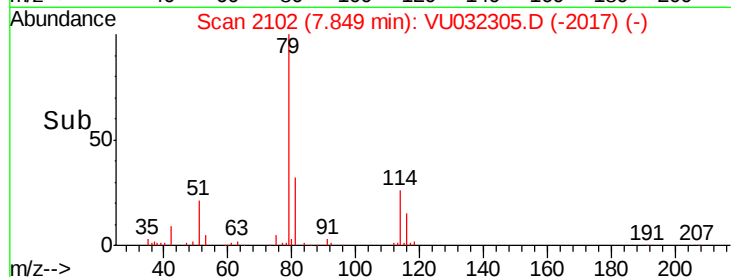
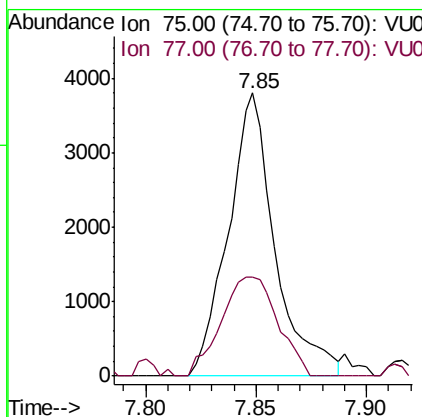
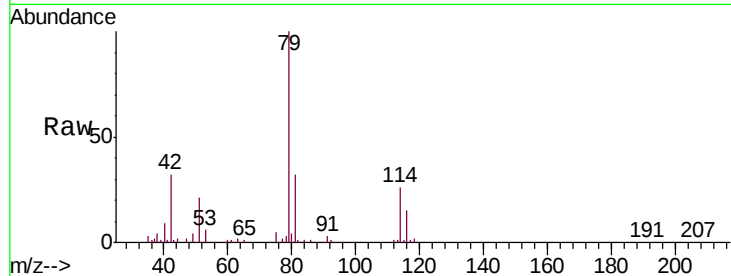




#44
trans-1,3-Dichloropropene
Concen: 0.739 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU032305.D
Acq: 24 May 2019 11:52

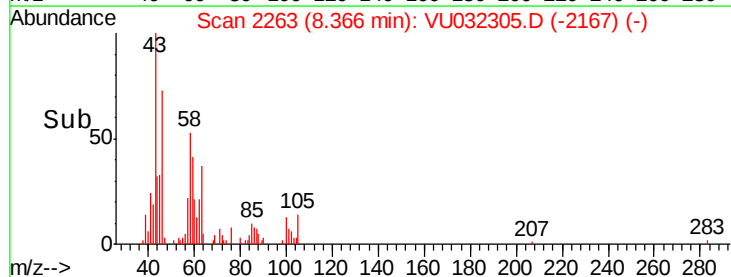
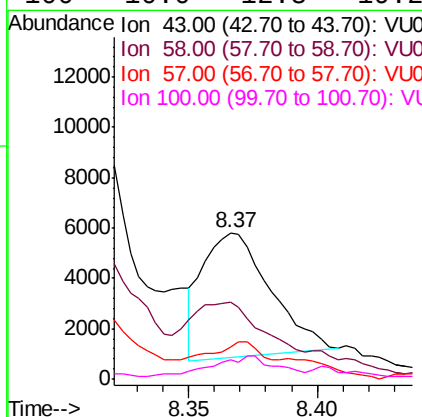
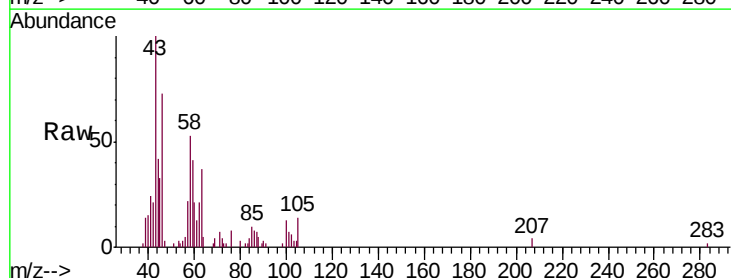
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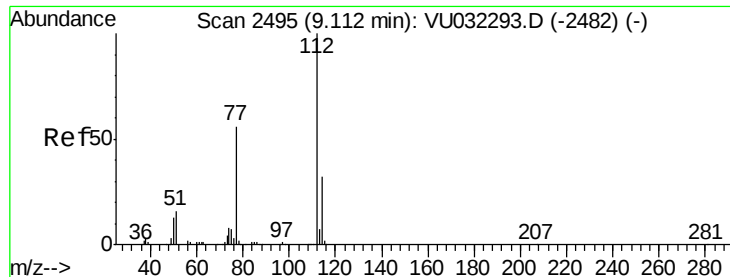
Tgt Ion: 75 Resp: 5606
Ion Ratio Lower Upper
75 100
77 35.1 22.4 41.6



#48
2-Hexanone
Concen: 1.430 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032305.D
Acq: 24 May 2019 11:52

Tgt Ion: 43 Resp: 9030
Ion Ratio Lower Upper
43 100
58 46.8 51.4 77.0#
57 11.3 17.8 26.8#
100 10.0 12.8 19.2#





#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

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

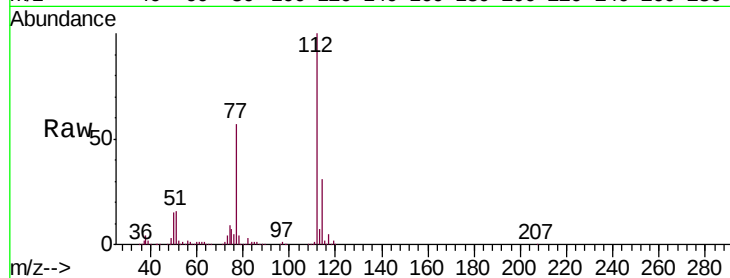
Tgt Ion: 112 Resp: 718361

Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

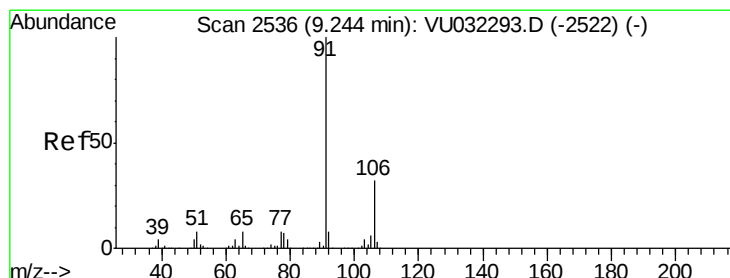
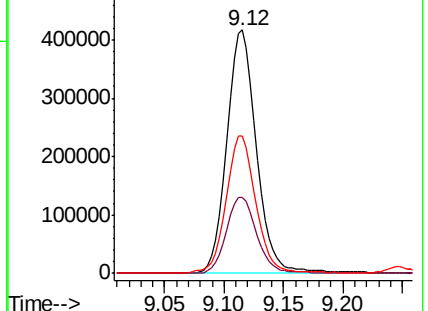
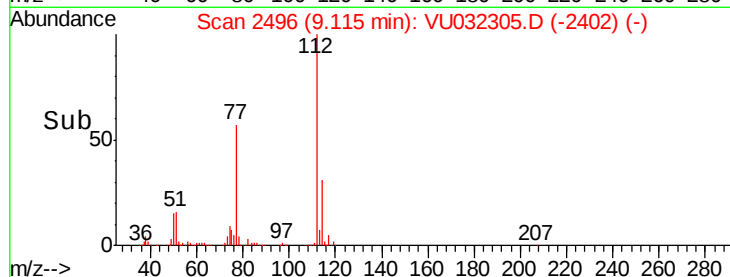
77 56.5 45.8 68.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 7.876 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032305.D

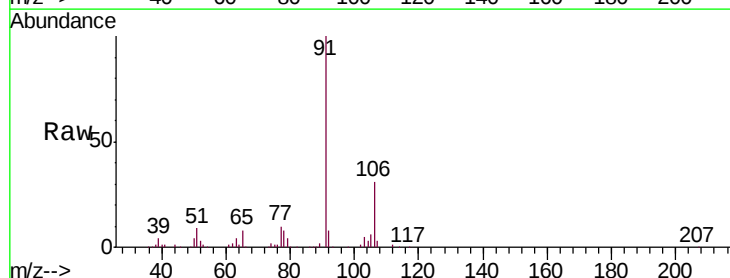
Acq: 24 May 2019 11:52

Tgt Ion: 91 Resp: 189801

Ion Ratio Lower Upper

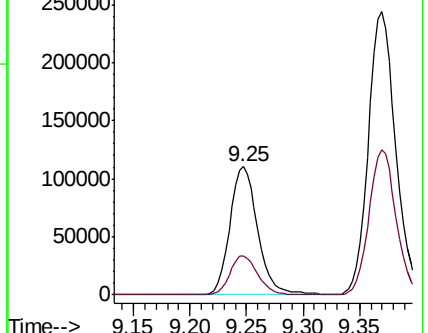
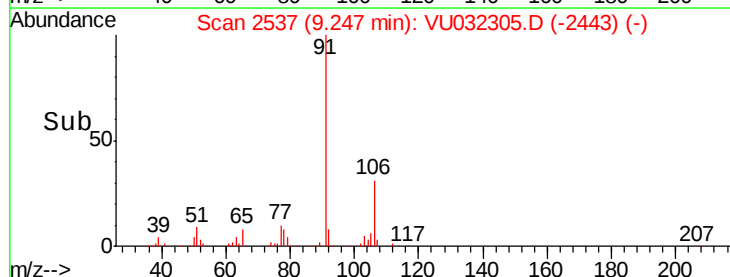
91 100

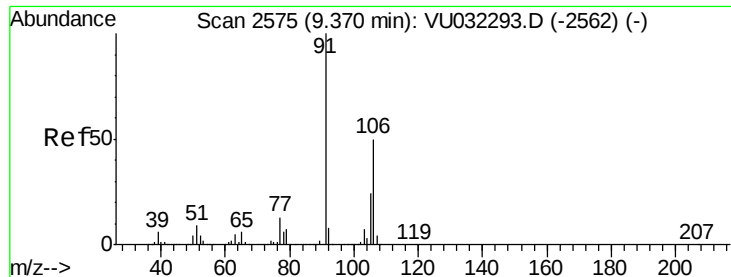
106 30.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

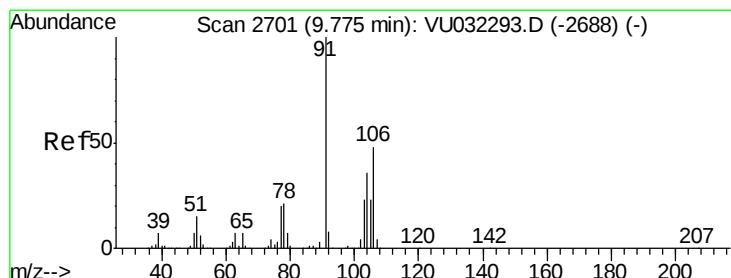
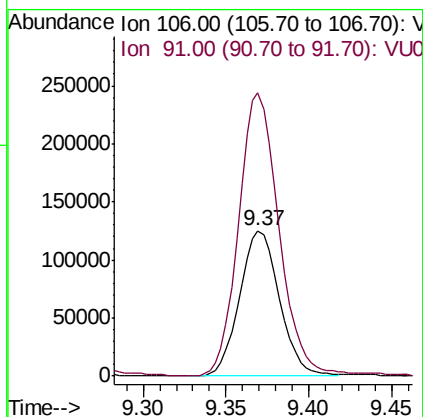
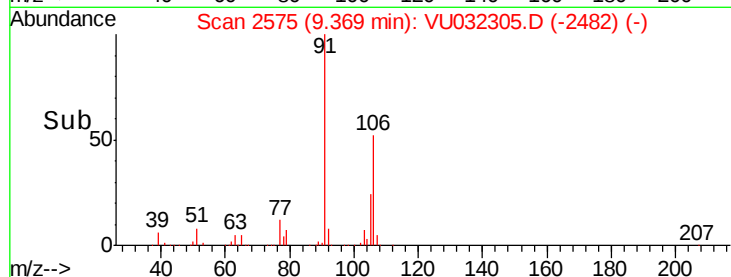
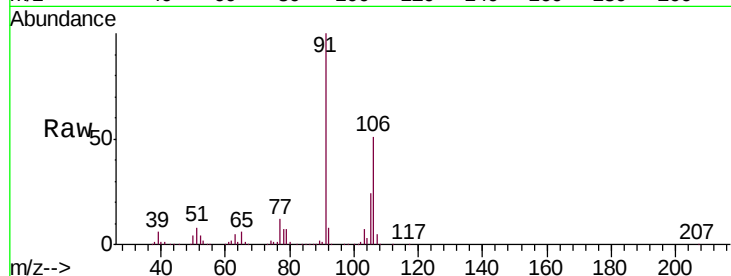




#53
m,p-Xylene
Concen: 22.530 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032305.D
Acq: 24 May 2019 11:52

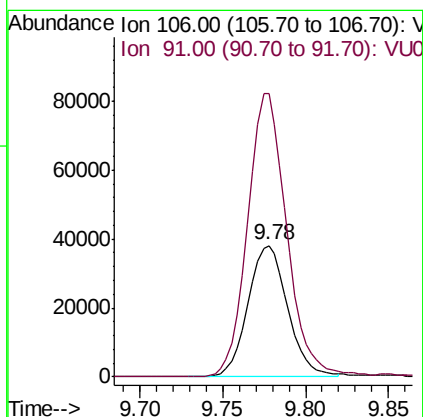
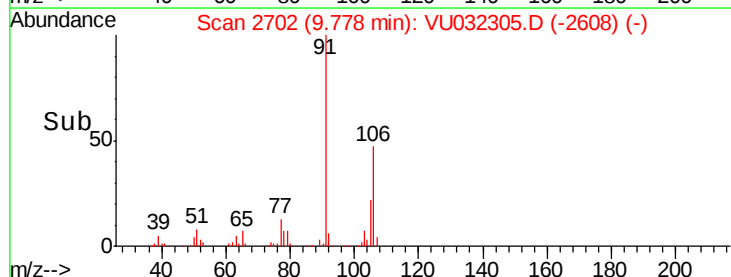
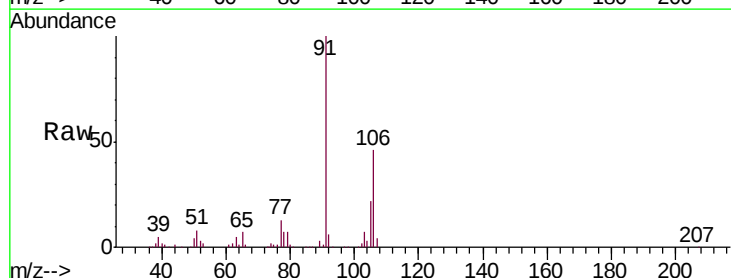
Instrument :
MSVOA_U
ClientSampleId :
E3YF7MS

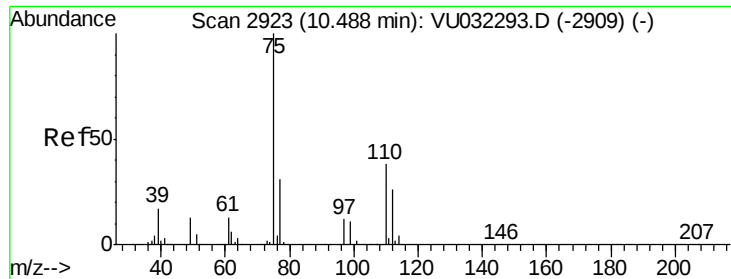
Tgt Ion:106 Resp: 209563
Ion Ratio Lower Upper
106 100
91 194.4 136.5 253.5



#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

Tgt Ion:106 Resp: 63715
Ion Ratio Lower Upper
106 100
91 215.1 150.3 279.1





#59

1,2,3-Trichloropropane

Concen: 3.853 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032305.D

Acq: 24 May 2019 11:52

Instrument :

MSVOA_U

ClientSampleId :

E3YF7MS

Tgt Ion: 75 Resp: 33403

Ion Ratio Lower Upper

75 100

77 38.1 25.7 38.5

