

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033407.D
 Acq On : 25 Jul 2019 13:58
 Operator : JC/SP
 Sample : K3957-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2A12MS

Quant Time: Jul 26 05:31:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:32:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	274264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	122818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	78557	37.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.68%
7) Chloroethane-d5	1.67	69	79368	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.50%
11) 1,1-Dichloroethene-d2	2.26	63	163022	43.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.58%
21) 2-Butanone-d5	4.15	46	125104	95.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.10%
24) Chloroform-d	4.62	84	153984	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	5.29	65	107587	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.32	84	302945	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
36) 1,2-Dichloropropane-d6	6.31	67	103713	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.60%
41) Toluene-d8	7.55	98	268389	41.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.28%
43) trans-1,3-Dichloropropene-	7.83	79	46069	42.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.80%
47) 2-Hexanone-d5	8.30	63	92433	92.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.53%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	162201	48.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	108251	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%

Target Compounds

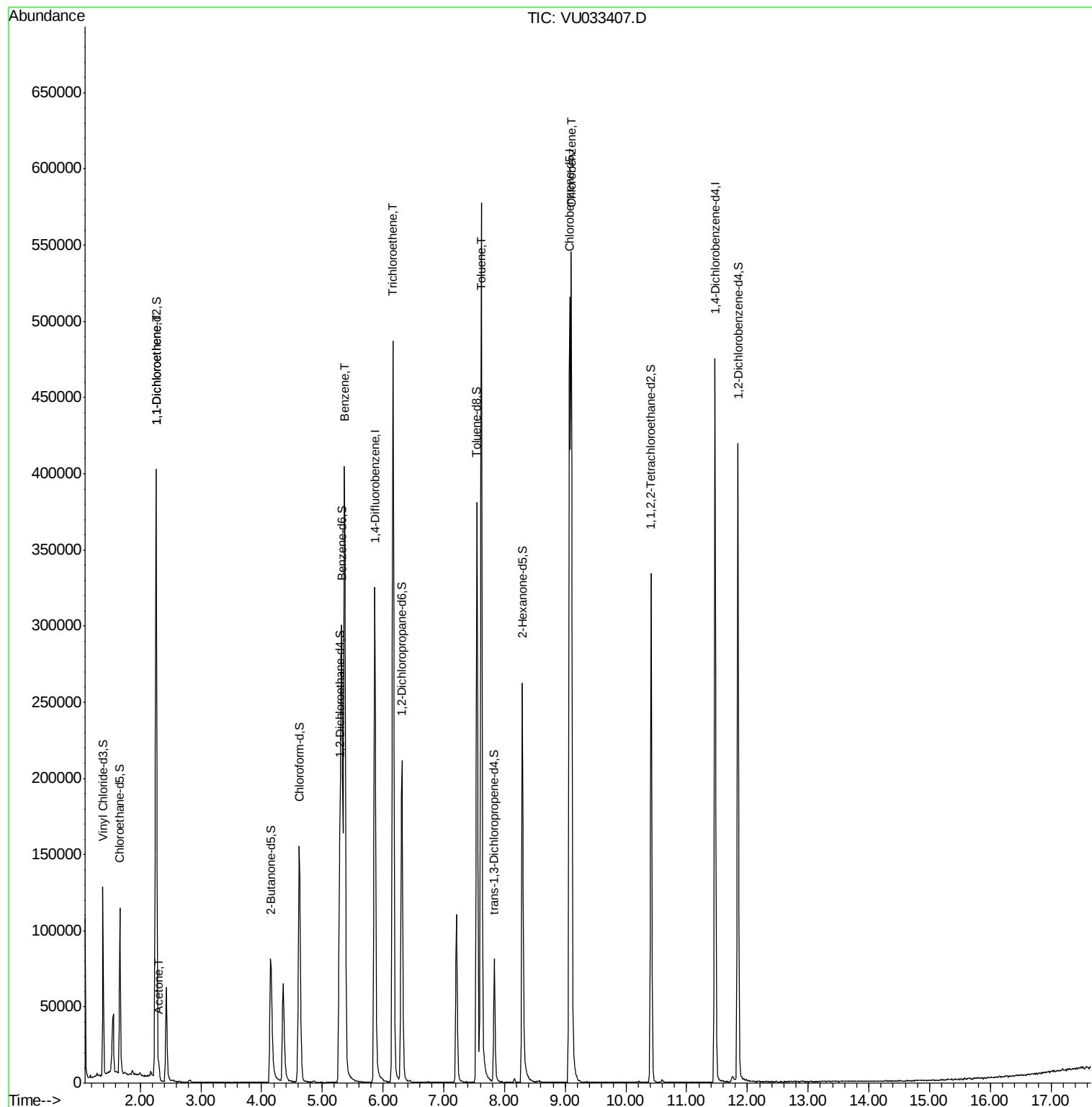
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	88641	48.421	ug/L	91
13) Acetone	2.31	43	9451	5.750	ug/L	96
33) Benzene	5.37	78	405554	49.317	ug/L	100
34) Trichloroethene	6.16	95	169898	78.999	ug/L	99
42) Toluene	7.62	91	442098	49.866	ug/L	100
51) Chlorobenzene	9.10	112	284152	49.104	ug/L	99

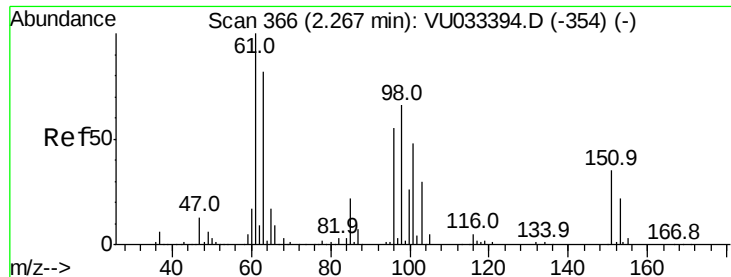
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 48.421 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

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MSVOA_U

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F2A12MS

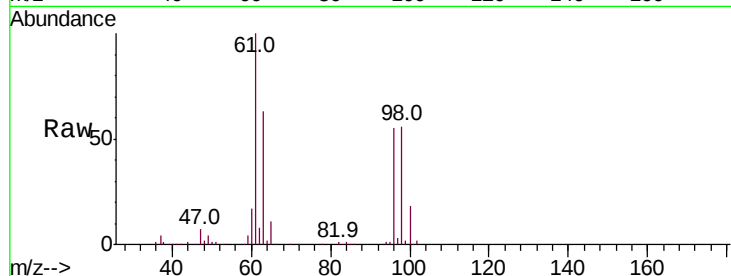
Tot Ion: 96 Resp: 88641

Ion Ratio Lower Upper

96 100

61 180.4 126.1 234.1

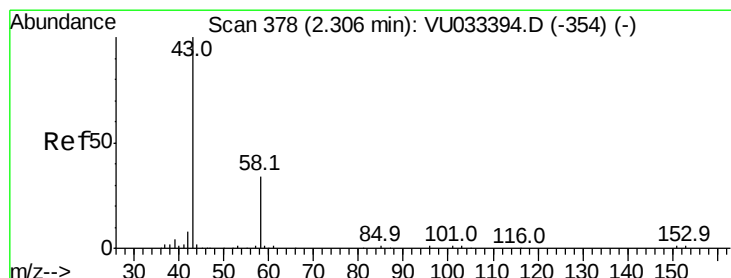
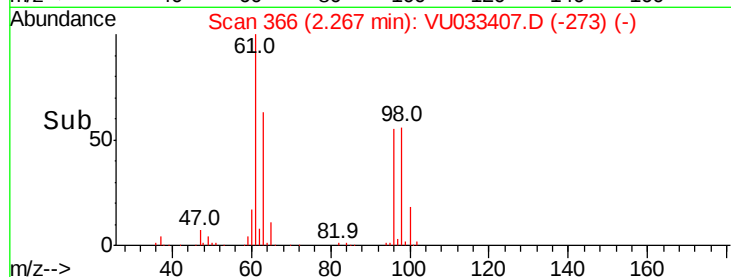
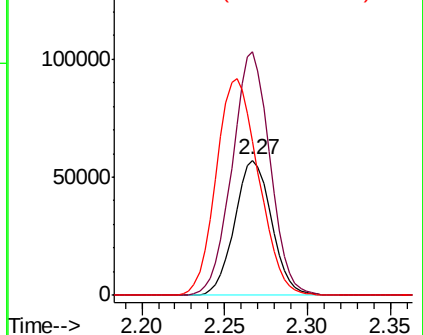
63 114.4 96.8 179.8



Abundance Ion 96.00 (95.70 to 96.70): VU033394.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033394.D (-354) (-)

Ion 63.00 (62.70 to 63.70): VU033394.D (-354) (-)



#13

Acetone

Concen: 5.750 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033407.D

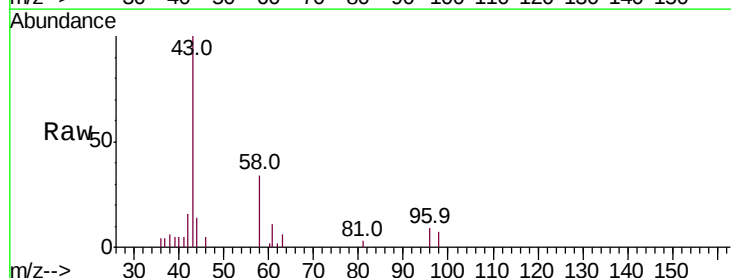
Acq: 25 Jul 2019 13:58

Tgt Ion: 43 Resp: 9451

Ion Ratio Lower Upper

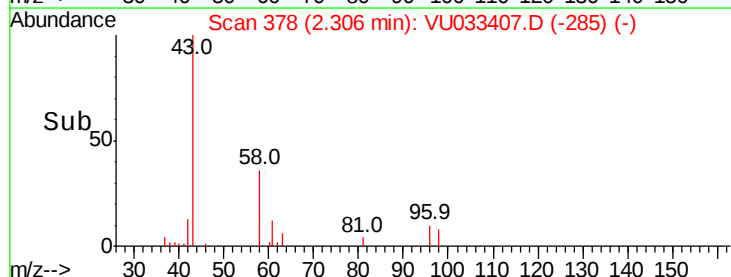
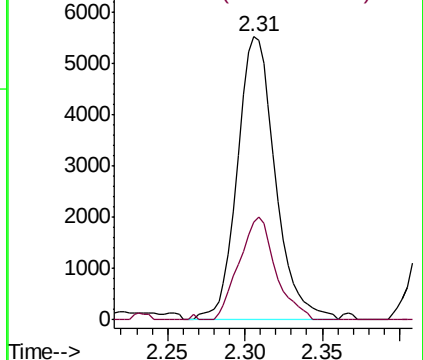
43 100

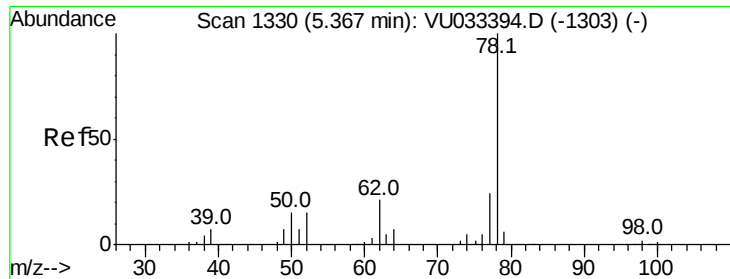
58 34.8 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033394.D (-354) (-)

Ion 58.00 (57.70 to 58.70): VU033394.D (-354) (-)





#33

Benzene

Concen: 49.317 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033407.D

Acq: 25 Jul 2019 13:58

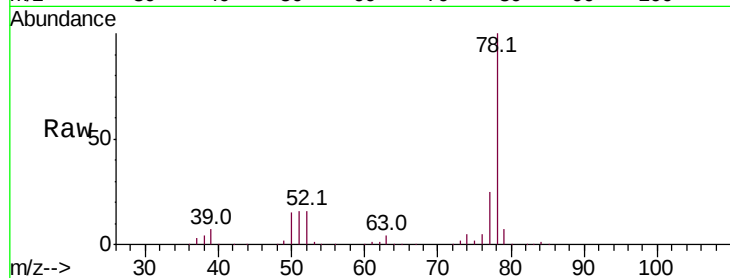
Instrument :

MSVOA_U

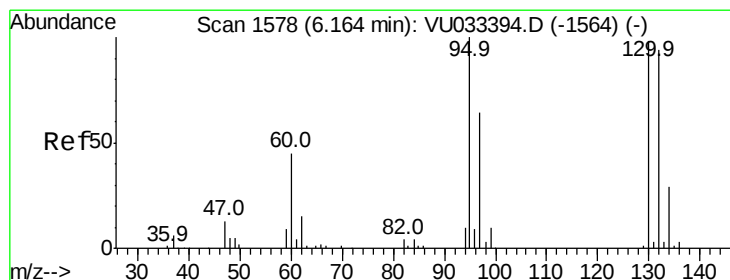
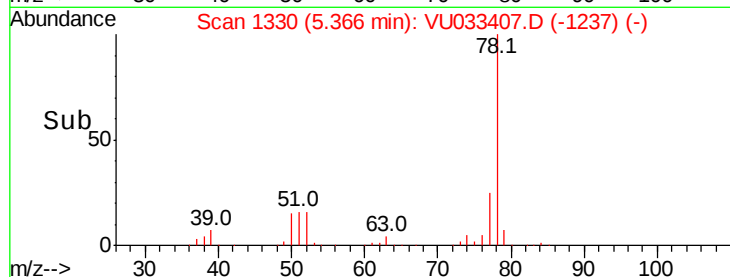
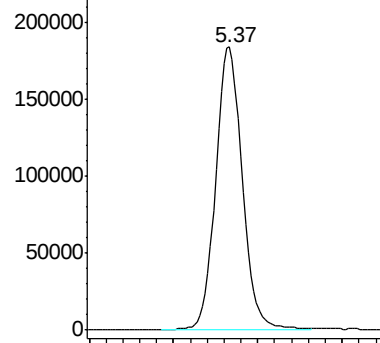
ClientSampleId :

F2A12MS

Tgt Ion: 78 Resp: 405554



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 78.999 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033407.D

Acq: 25 Jul 2019 13:58

Tgt Ion: 95 Resp: 169898

Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.8	81.4
132	95.2	65.5	121.6
130	98.7	69.7	129.5

95 100

97 64.1 43.8 81.4

132 95.2 65.5 121.6

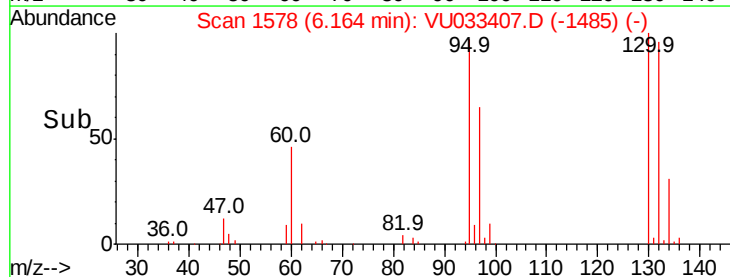
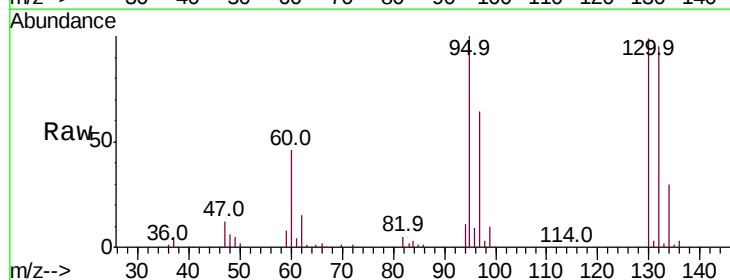
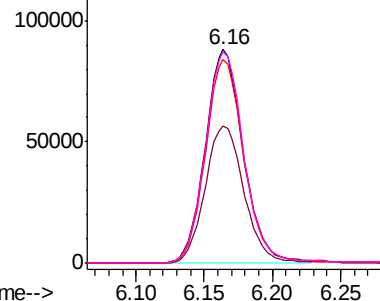
130 98.7 69.7 129.5

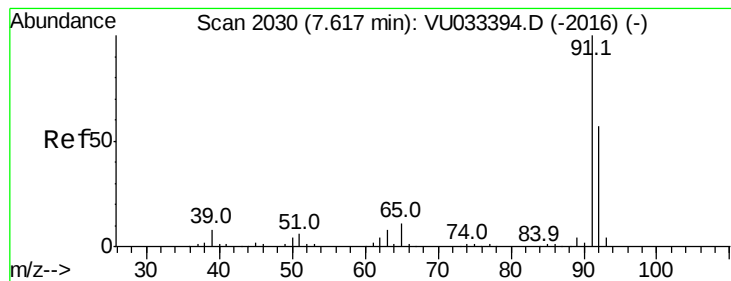
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 49.866 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033407.D

Acq: 25 Jul 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

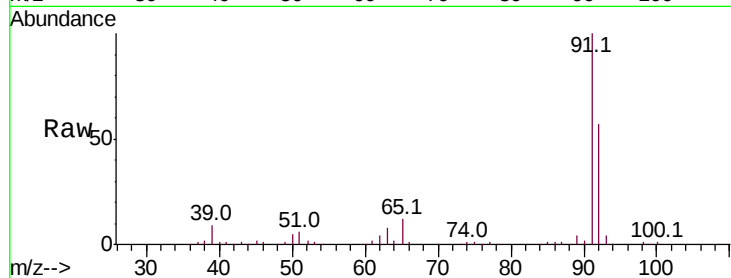
F2A12MS

Tot Ion: 91 Resp: 442098

Ion Ratio Lower Upper

91 100

92 56.6 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU033394.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033394.D (-2016) (-)

7.62

250000

200000

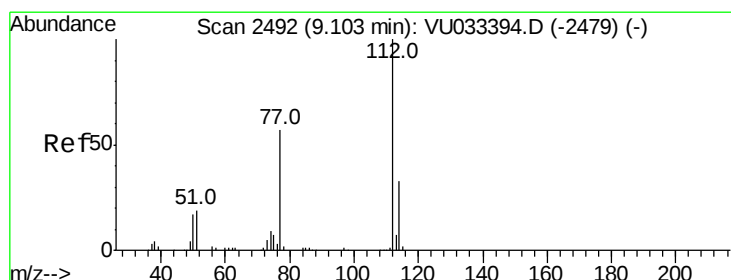
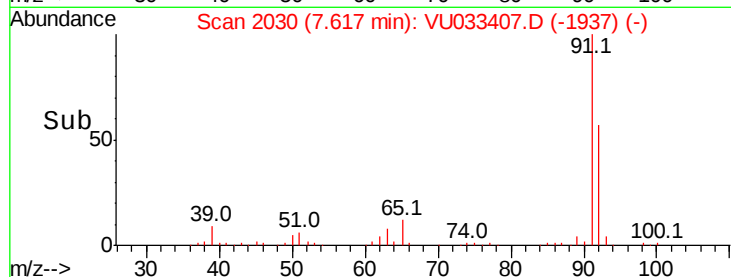
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 49.104 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033407.D

Acq: 25 Jul 2019 13:58

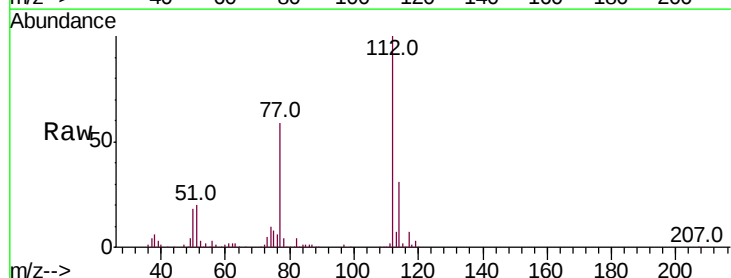
Tgt Ion: 112 Resp: 284152

Ion Ratio Lower Upper

112 100

114 31.3 22.3 41.3

77 58.5 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU033394.D (-2479) (-)

Ion 114.00 (113.70 to 114.70): VU033394.D (-2479) (-)

Ion 77.00 (76.70 to 77.70): VU033394.D (-2479) (-)

9.10

200000

150000

100000

50000

0

Time-->

