

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032964.D
 Acq On : 21 Jun 2019 22:55
 Operator : JC/SP
 Sample : K3464-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF33MSD

Quant Time: Jun 22 02:45:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 01:56:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	190042	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186157	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45168	34.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.56%
7) Chloroethane-d5	1.67	69	42487	41.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.04%
11) 1,1-Dichloroethene-d2	2.27	63	107654	41.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.30%
21) 2-Butanone-d5	4.17	46	121421	112.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.32%
24) Chloroform-d	4.64	84	115032	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
26) 1,2-Dichloroethane-d4	5.30	65	81466	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
32) Benzene-d6	5.33	84	211766	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
36) 1,2-Dichloropropane-d6	6.32	67	72603	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.94%
41) Toluene-d8	7.56	98	187751	41.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.62%
43) trans-1,3-Dichloropropene-	7.84	79	34385	42.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.52%
47) 2-Hexanone-d5	8.31	63	72190	100.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.01%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	113627	47.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	80904	46.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.26%

Target Compounds

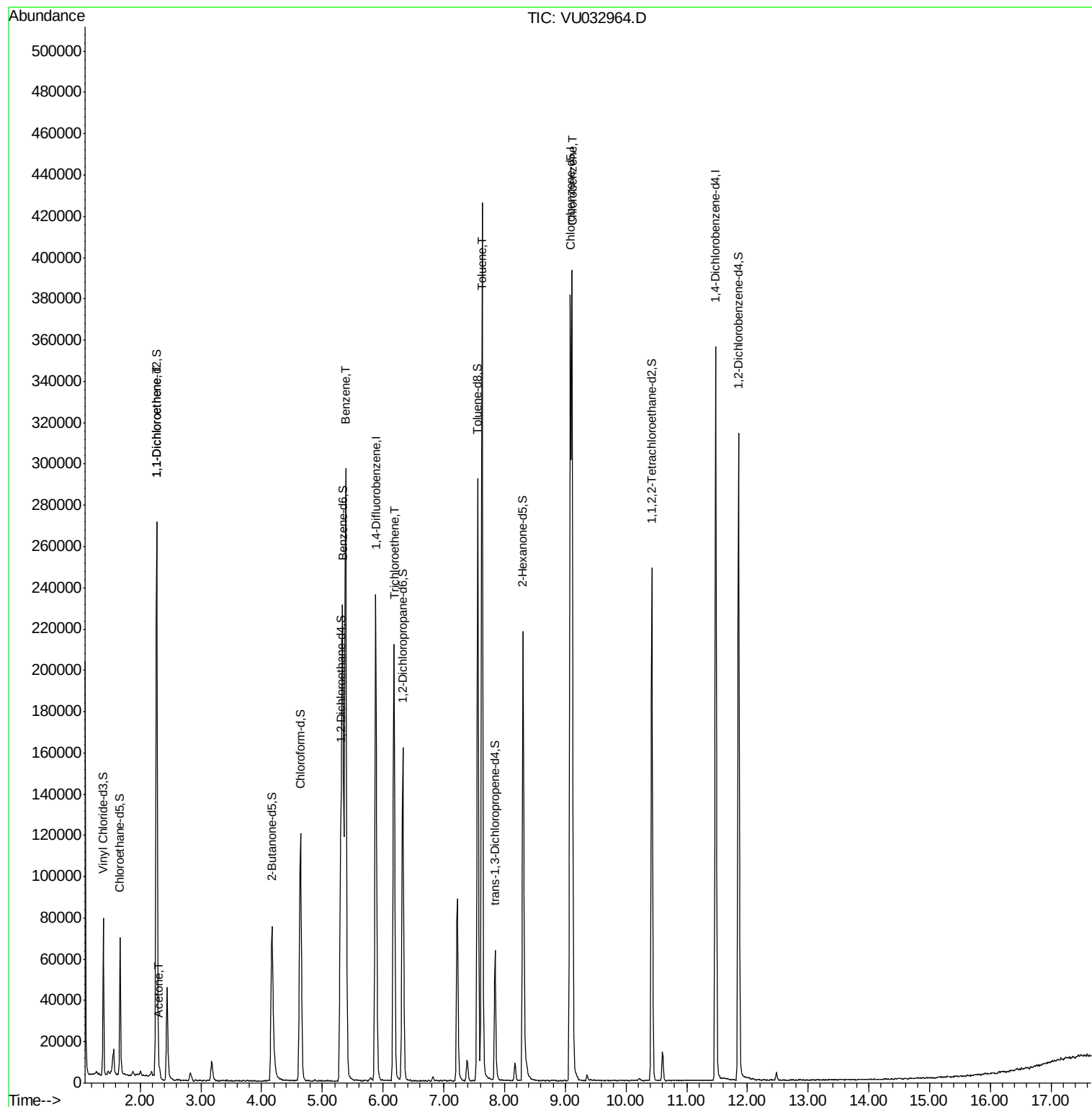
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	57373	47.941	ug/L	87
13) Acetone	2.32	43	3766	2.522	ug/L	97
33) Benzene	5.38	78	273713	51.040	ug/L	100
34) Trichloroethene	6.18	95	69448	48.469	ug/L	98
42) Toluene	7.63	91	293522	50.588	ug/L	99
51) Chlorobenzene	9.11	112	191114	50.054	ug/L	97

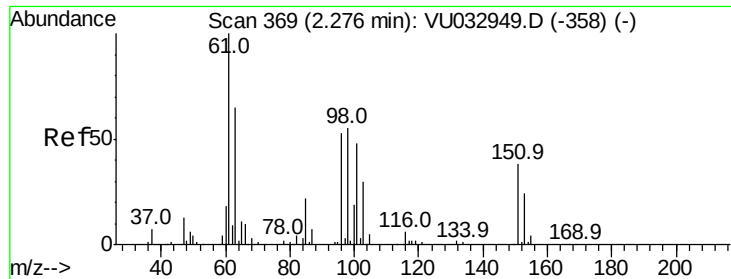
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062219\
Data File : VU032964.D
Acq On : 21 Jun 2019 22:55
Operator : JC/SP
Sample : K3464-03MSD
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF33MSD

Quant Time: Jun 22 02:45:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 47.941 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032964.D

Acq: 21 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

ETF33MSD

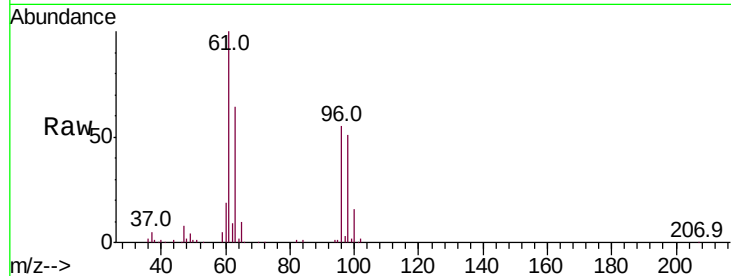
Tot Ion: 96 Resp: 57373

Ion Ratio Lower Upper

96 100

61 180.8 131.0 243.4

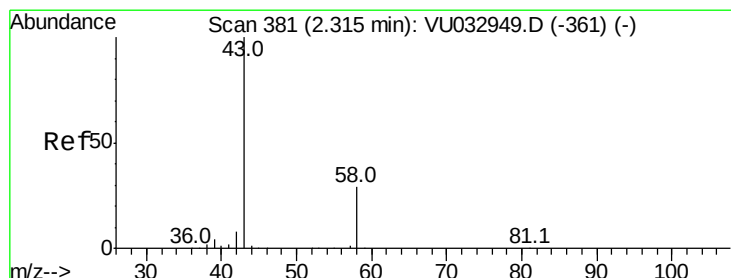
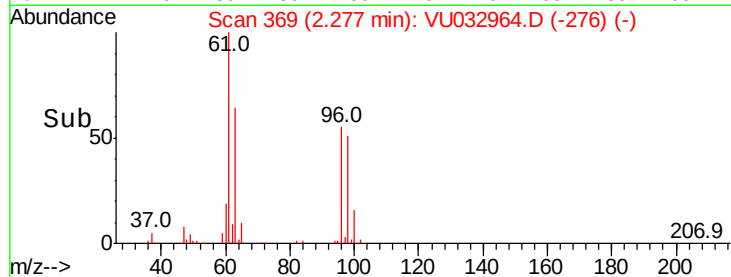
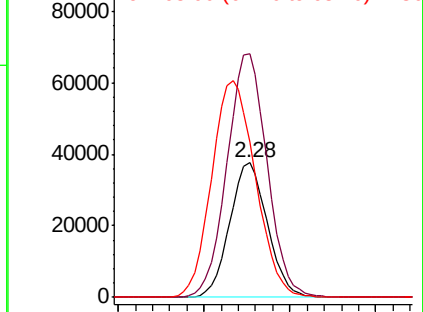
63 115.5 101.0 187.6



Abundance Ion 96.00 (95.70 to 96.70): VU032964.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU032964.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU032964.D (-276) (-)



#13

Acetone

Concen: 2.522 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032964.D

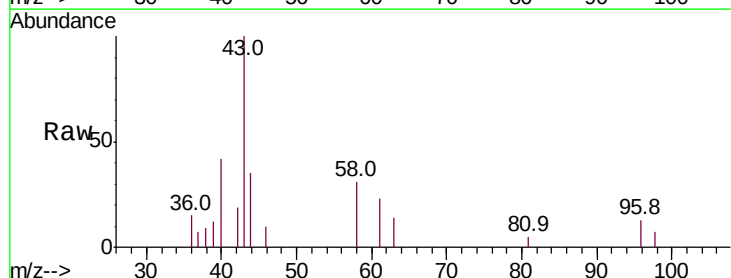
Acq: 21 Jun 2019 22:55

Tgt Ion: 43 Resp: 3766

Ion Ratio Lower Upper

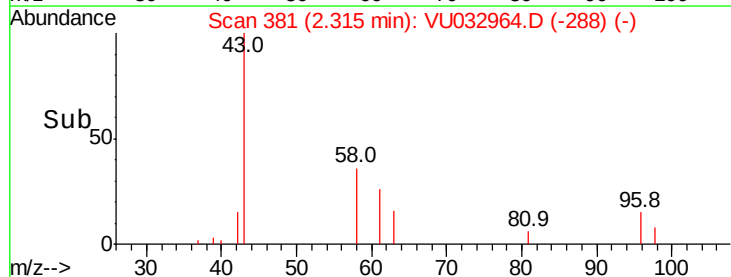
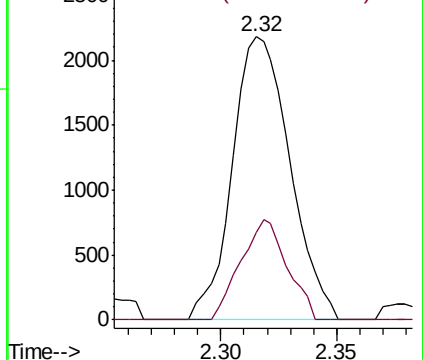
43 100

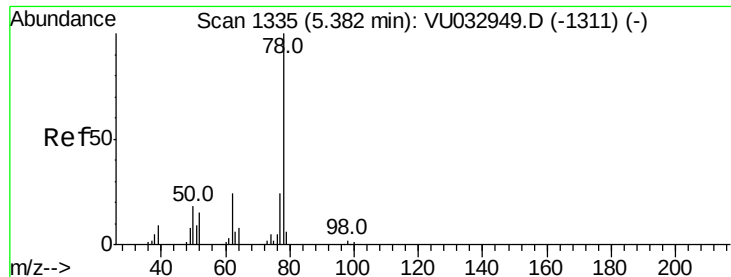
58 28.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032964.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032964.D (-288) (-)





#33

Benzene

Concen: 51.040 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032964.D

Acq: 21 Jun 2019 22:55

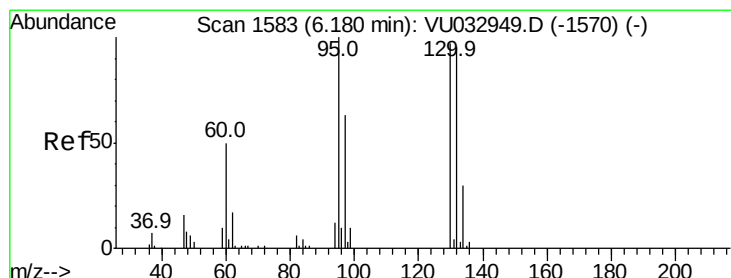
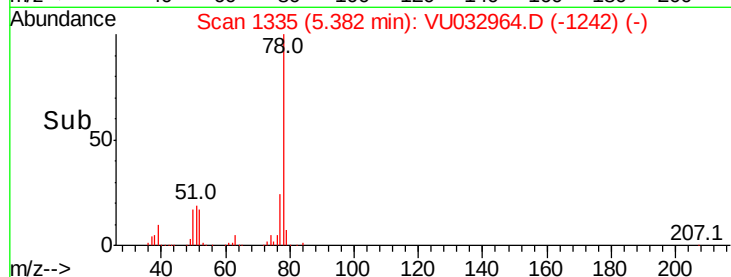
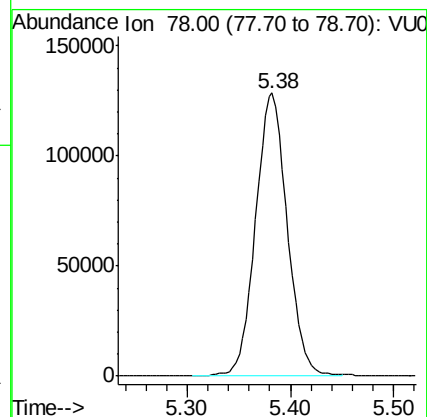
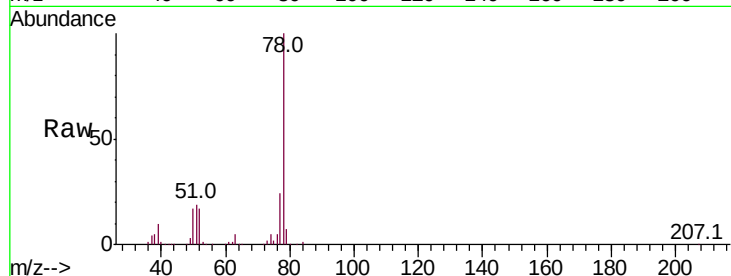
Instrument :

MSVOA_U

ClientSampleId :

ETF33MSD

Tgt Ion: 78 Resp: 273713



#34

Trichloroethene

Concen: 48.469 ug/L

RT: 6.18 min Scan# 1583

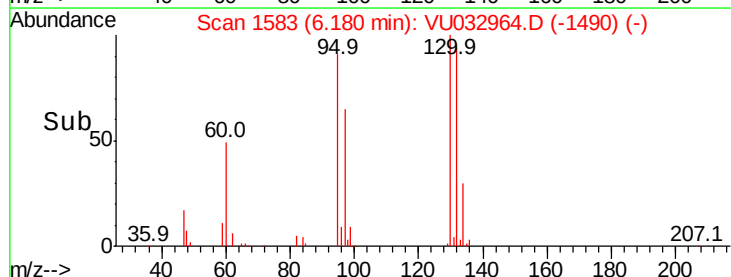
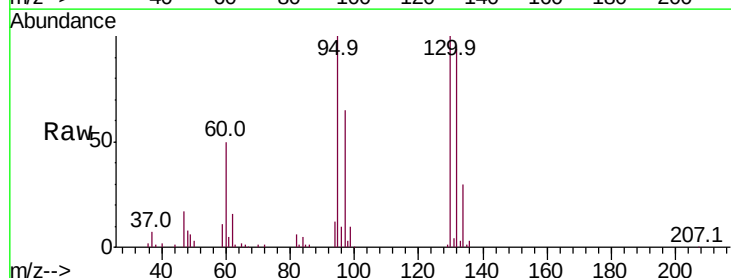
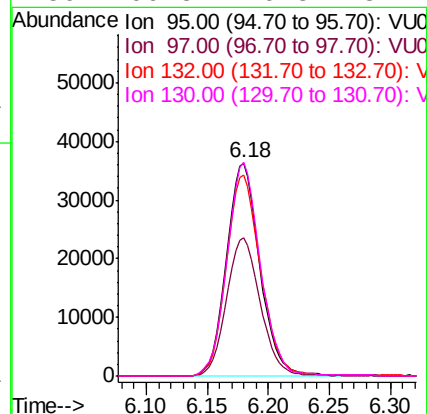
Delta R.T. 0.00 min

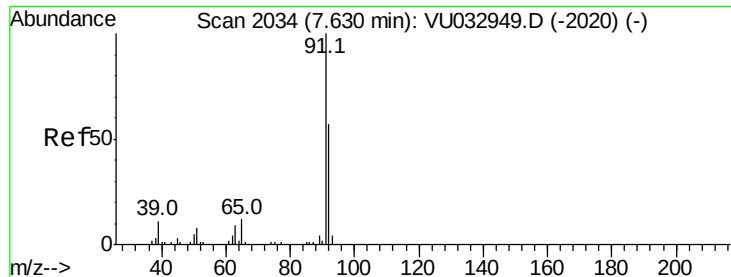
Lab File: VU032964.D

Acq: 21 Jun 2019 22:55

Tgt Ion: 95 Resp: 69448

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.9	85.3
132	94.2	68.5	127.3
130	100.3	70.8	131.4





#42

Toluene

Concen: 50.588 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032964.D

Acq: 21 Jun 2019 22:55

Instrument :

MSVOA_U

ClientSampleId :

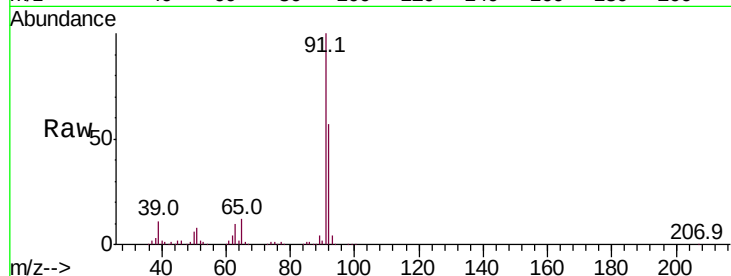
ETF33MSD

Tot Ion: 91 Resp: 293522

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032949.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032949.D (-2020) (-)

7.63

200000

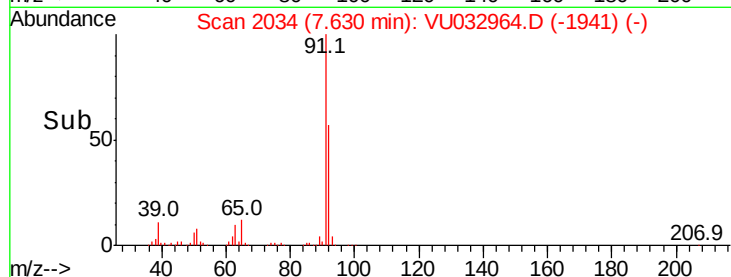
150000

100000

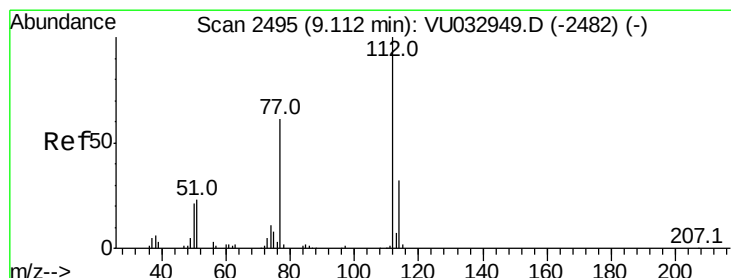
50000

0

Time-->



Time-->



#51

Chlorobenzene

Concen: 50.054 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032964.D

Acq: 21 Jun 2019 22:55

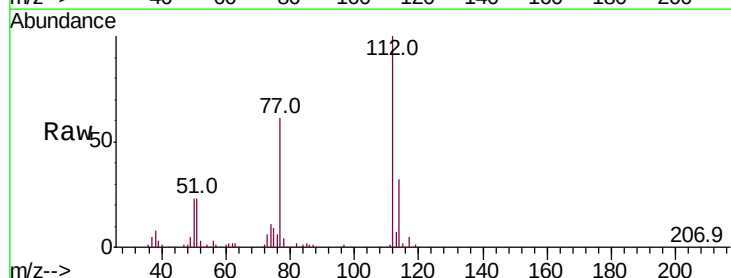
Tgt Ion: 112 Resp: 191114

Ion Ratio Lower Upper

112 100

114 32.2 22.8 42.4

77 61.0 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): VU032949.D (-2482) (-)

Ion 114.00 (113.70 to 114.70): VU032949.D (-2482) (-)

Ion 77.00 (76.70 to 77.70): VU032949.D (-2482) (-)

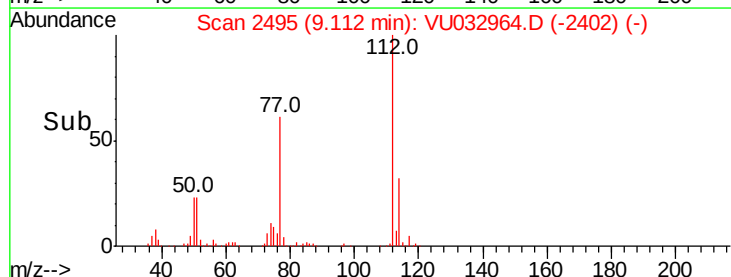
150000

100000

50000

0

Time-->



Time-->