

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
 Data File : VU032870.D
 Acq On : 19 Jun 2019 20:06
 Operator : JC/SP
 Sample : K3413-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALF2

Quant Time: Jun 20 08:25:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 07:24:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	105641	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	102840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54179	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30694	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.68	69	26120	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.27	63	50647	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.18	46	115083	60.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.08%
24) Chloroform-d	4.64	84	67463	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.31	65	40568	6.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.20%
32) Benzene-d6	5.33	84	129913	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.32	67	43289	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.56	98	118603	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.85	79	17228	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.31	63	83628	49.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	36714	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	52089	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

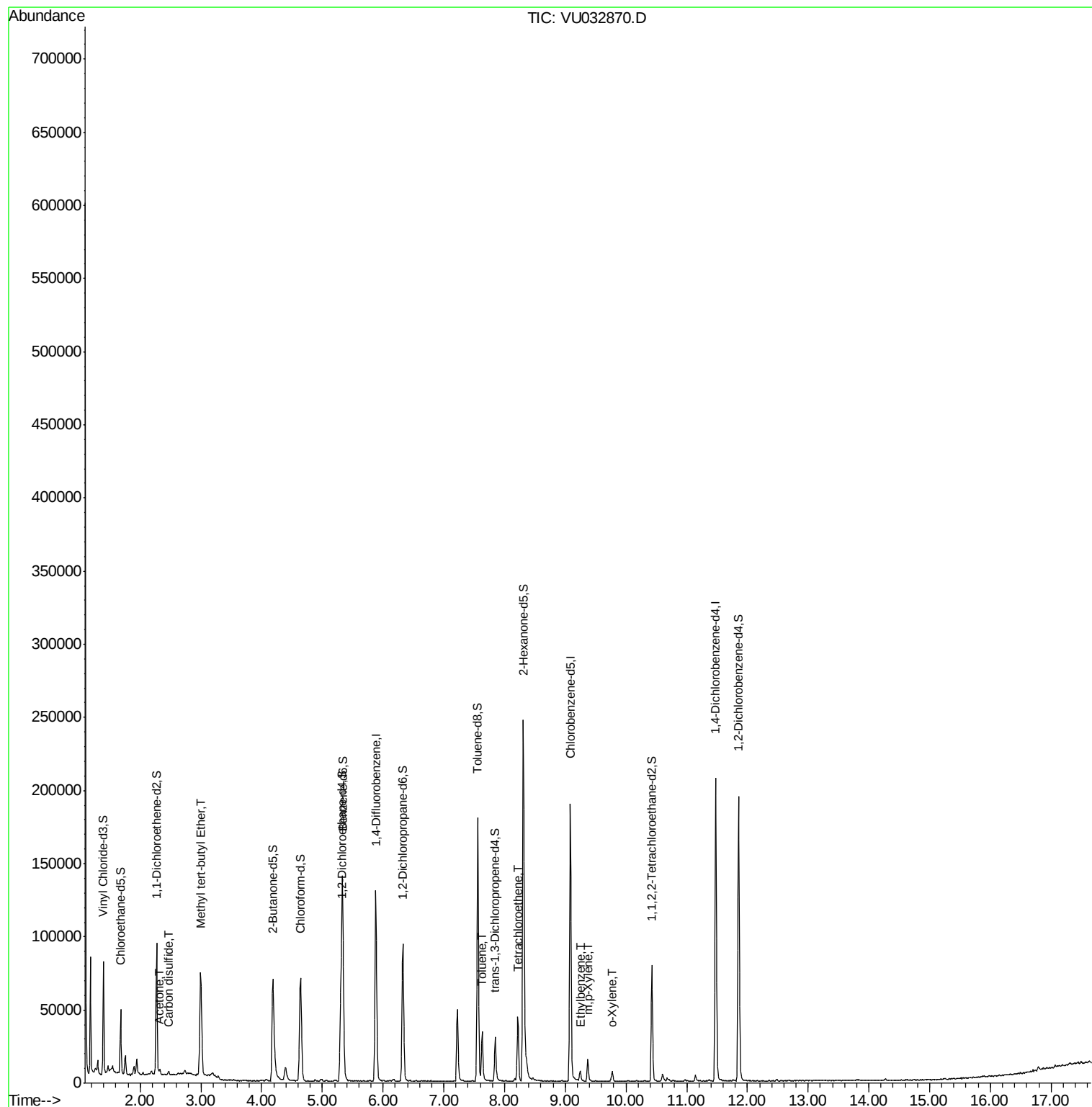
					Ovalue
13) Acetone	2.32	43	3812	2.562 ug/L	96
14) Carbon disulfide	2.47	76	2982	0.139 ug/L #	77
17) Methyl tert-butyl Ether	3.00	73	69657	3.548 ug/L	97
42) Toluene	7.63	91	25297	0.749 ug/L	93
47) Tetrachloroethene	8.22	164	9566	1.394 ug/L	96
52) Ethylbenzene	9.25	91	5064	0.136 ug/L	100
53) m,p-Xylene	9.37	106	4357	0.309 ug/L	97
54) o-Xylene	9.77	106	1670	0.119 ug/L	76

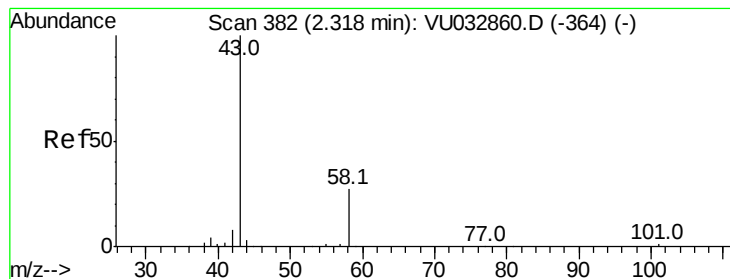
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.562 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032870.D

Acq: 19 Jun 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

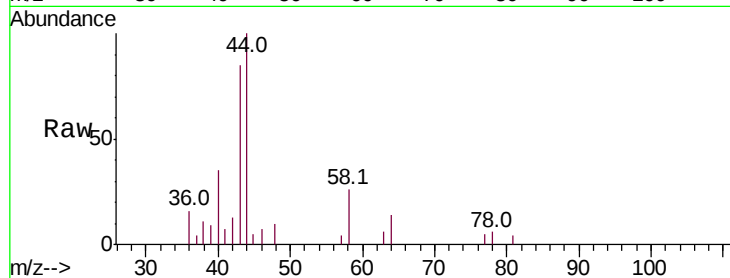
GALF2

Tot Ion: 43 Resp: 3812

Ion Ratio Lower Upper

43 100

58 28.4 0.0 60.8



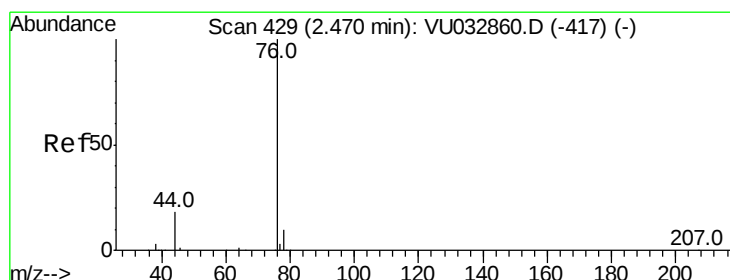
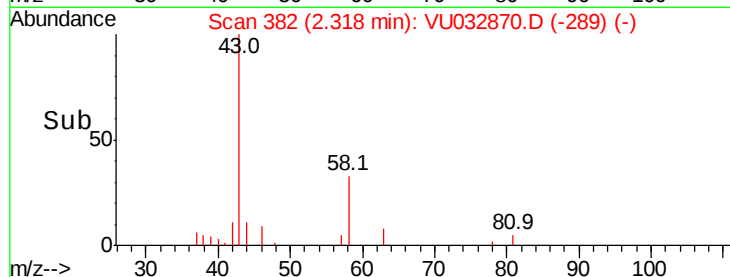
Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-364) (-)

Ion 58.05 (57.75 to 58.75): VU032860.D (-364) (-)

2.32

2.25 2.30 2.35 2.40

Time-->



#14

Carbon disulfide

Concen: 0.139 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032870.D

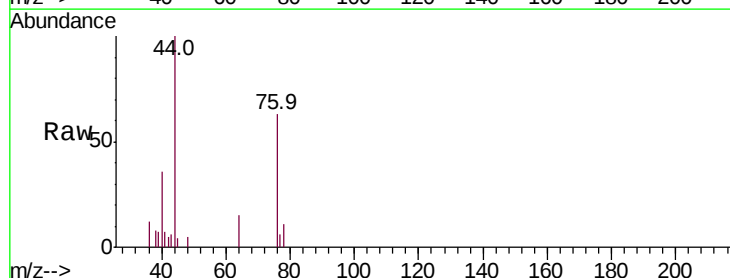
Acq: 19 Jun 2019 20:06

Tgt Ion: 76 Resp: 2982

Ion Ratio Lower Upper

76 100

78 17.4 7.3 10.9#



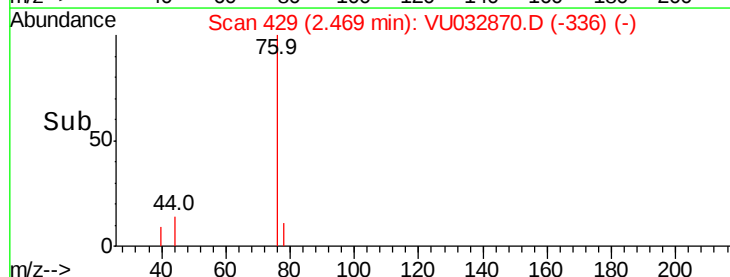
Abundance Ion 76.05 (75.75 to 76.75): VU032860.D (-417) (-)

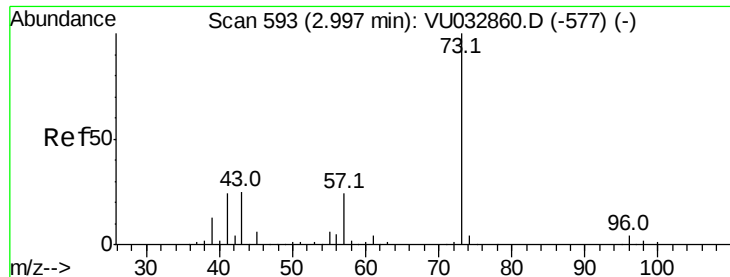
Ion 78.00 (77.70 to 78.70): VU032860.D (-417) (-)

2.47

2.45 2.50

Time-->

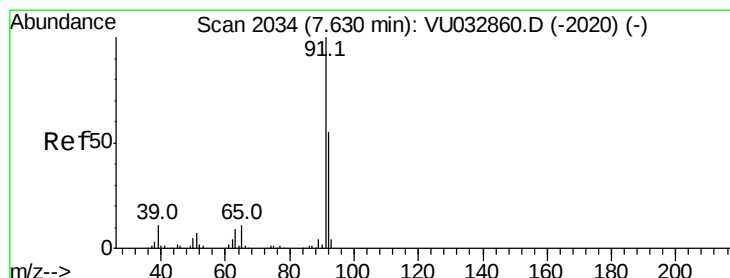
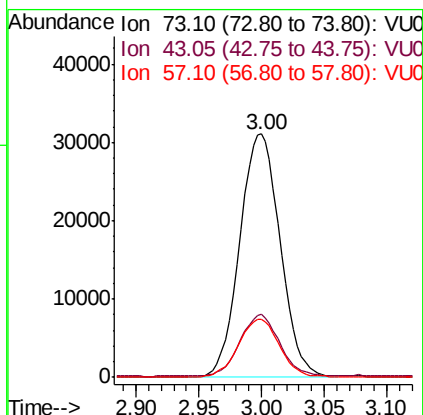
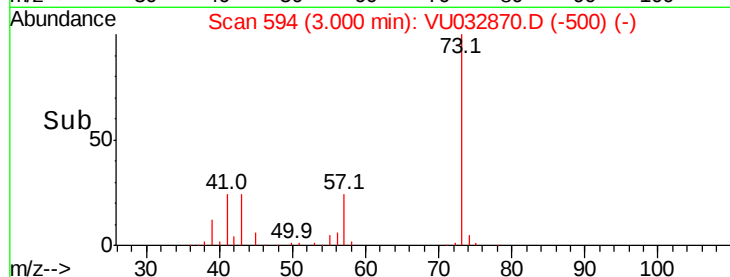
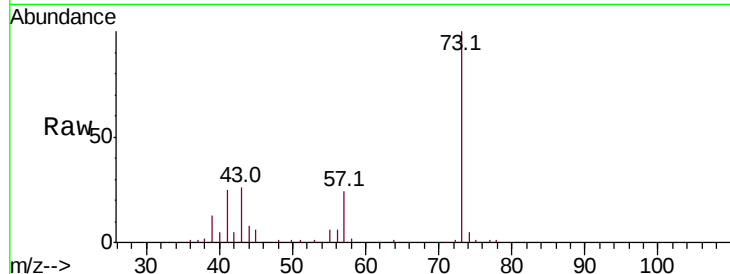




#17
Methvl tert-butvl Ether
Concen: 3.548 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032870.D
Acq: 19 Jun 2019 20:06

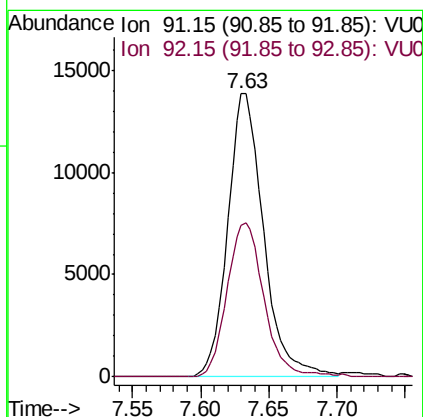
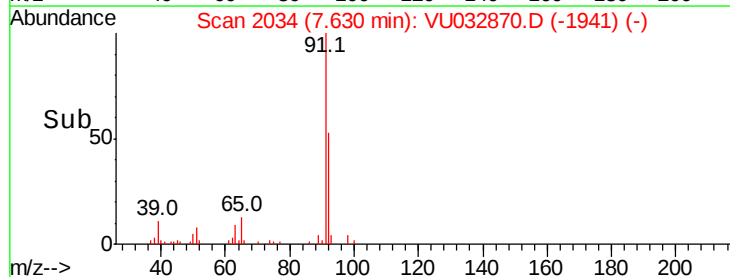
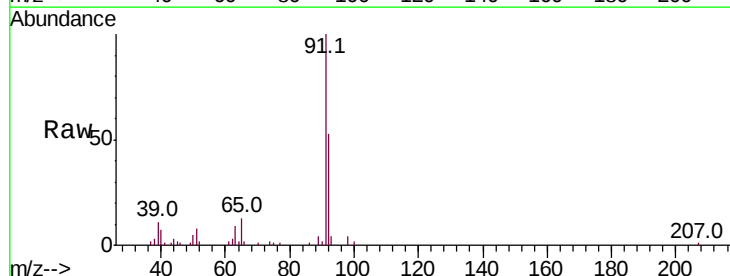
Instrument :
MSVOA_U
ClientSampleId :
GALF2

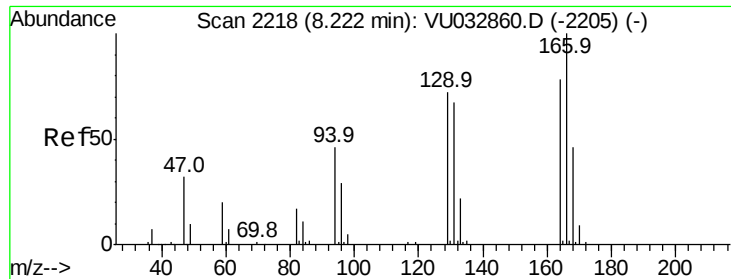
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.8	18.6	27.8
57	24.3	18.3	27.5



#42
Toluene
Concen: 0.749 ug/L
RT: 7.63 min Scan# 2034
Delta R.T. -0.00 min
Lab File: VU032870.D
Acq: 19 Jun 2019 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	40.9	75.9





#47

Tetrachloroethene

Concen: 1.394 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032870.D

Acq: 19 Jun 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

GALF2

Tot Ion:164 Resp: 9566

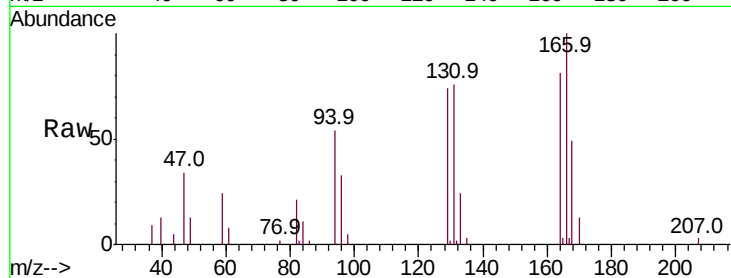
Ion Ratio Lower Upper

164 100

129 91.7 66.1 122.7

131 93.9 65.6 121.8

166 123.6 93.2 173.2

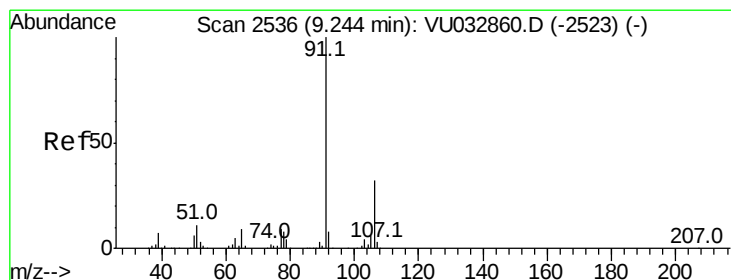
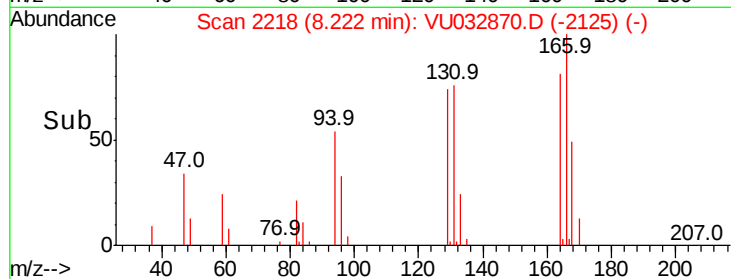
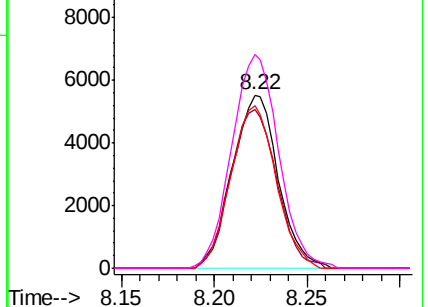


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#52

Ethylbenzene

Concen: 0.136 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032870.D

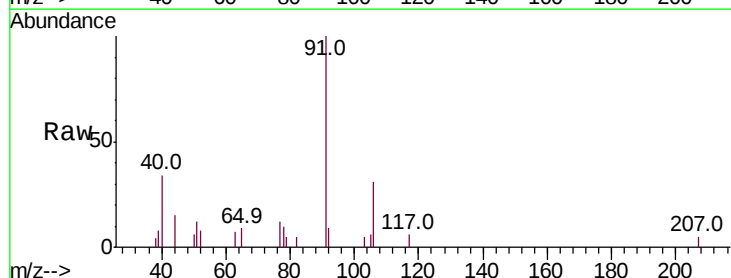
Acq: 19 Jun 2019 20:06

Tgt Ion: 91 Resp: 5064

Ion Ratio Lower Upper

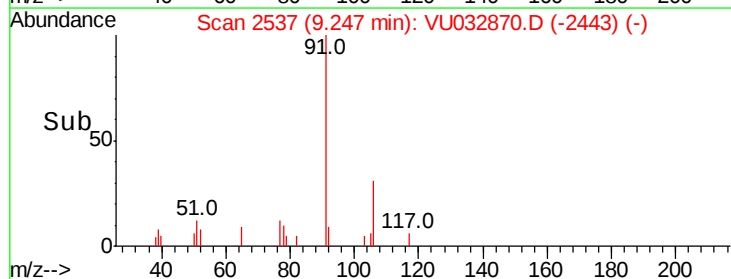
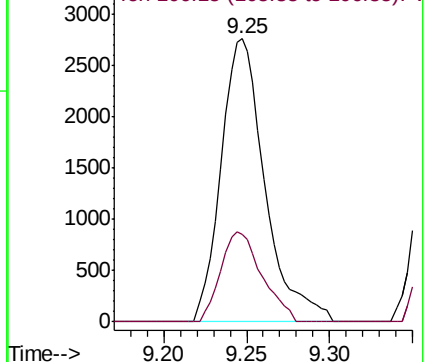
91 100

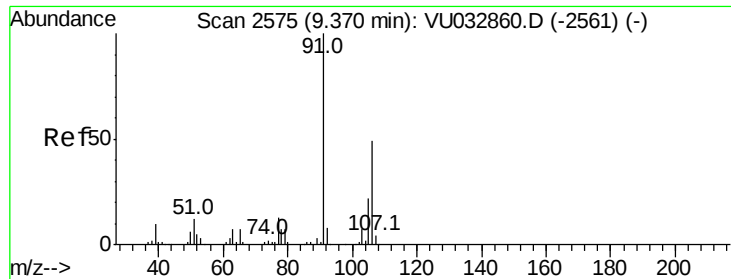
106 31.1 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.309 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032870.D

Acq: 19 Jun 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

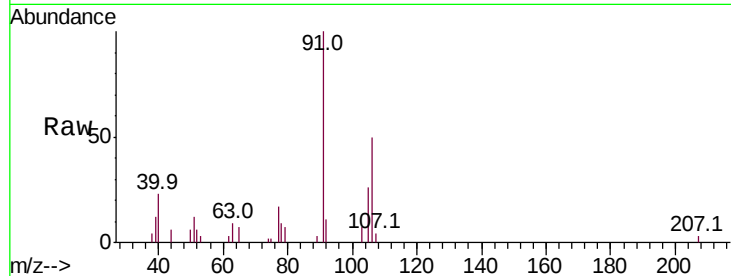
GALF2

Tot Ion:106 Resp: 4357

Ion Ratio Lower Upper

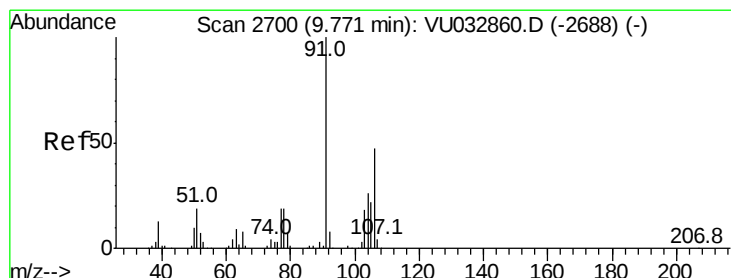
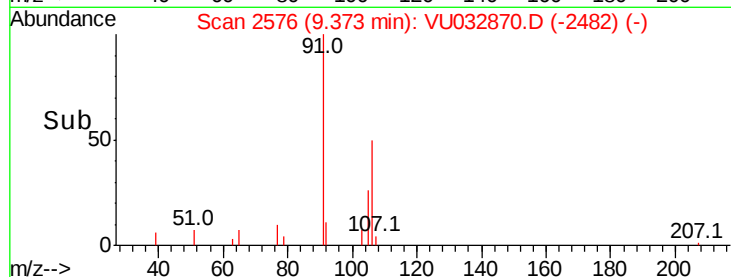
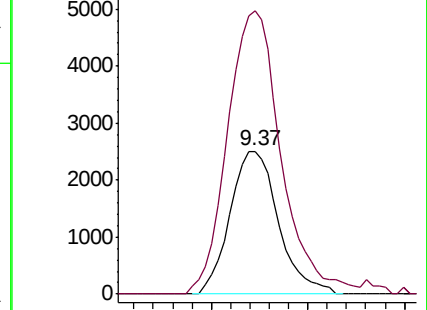
106 100

91 198.3 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.119 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032870.D

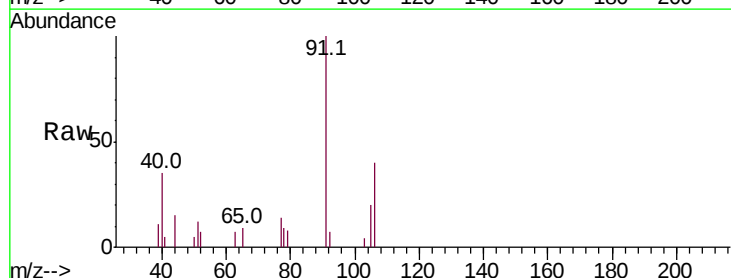
Acq: 19 Jun 2019 20:06

Tgt Ion:106 Resp: 1670

Ion Ratio Lower Upper

106 100

91 250.5 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

