

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
 Data File : VU032865.D
 Acq On : 19 Jun 2019 18:05
 Operator : JC/SP
 Sample : K3413-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG3

Quant Time: Jun 20 08:14:46 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	125236	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	117281	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	62036	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35060	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.68	69	30902	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	58736	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.19	46	131144	57.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.42%
24) Chloroform-d	4.64	84	76650	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.31	65	47064	6.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.60%
32) Benzene-d6	5.33	84	145861	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.32	67	45724	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.56	98	133758	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.85	79	19436	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.31	63	100878	52.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39108	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	56403	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

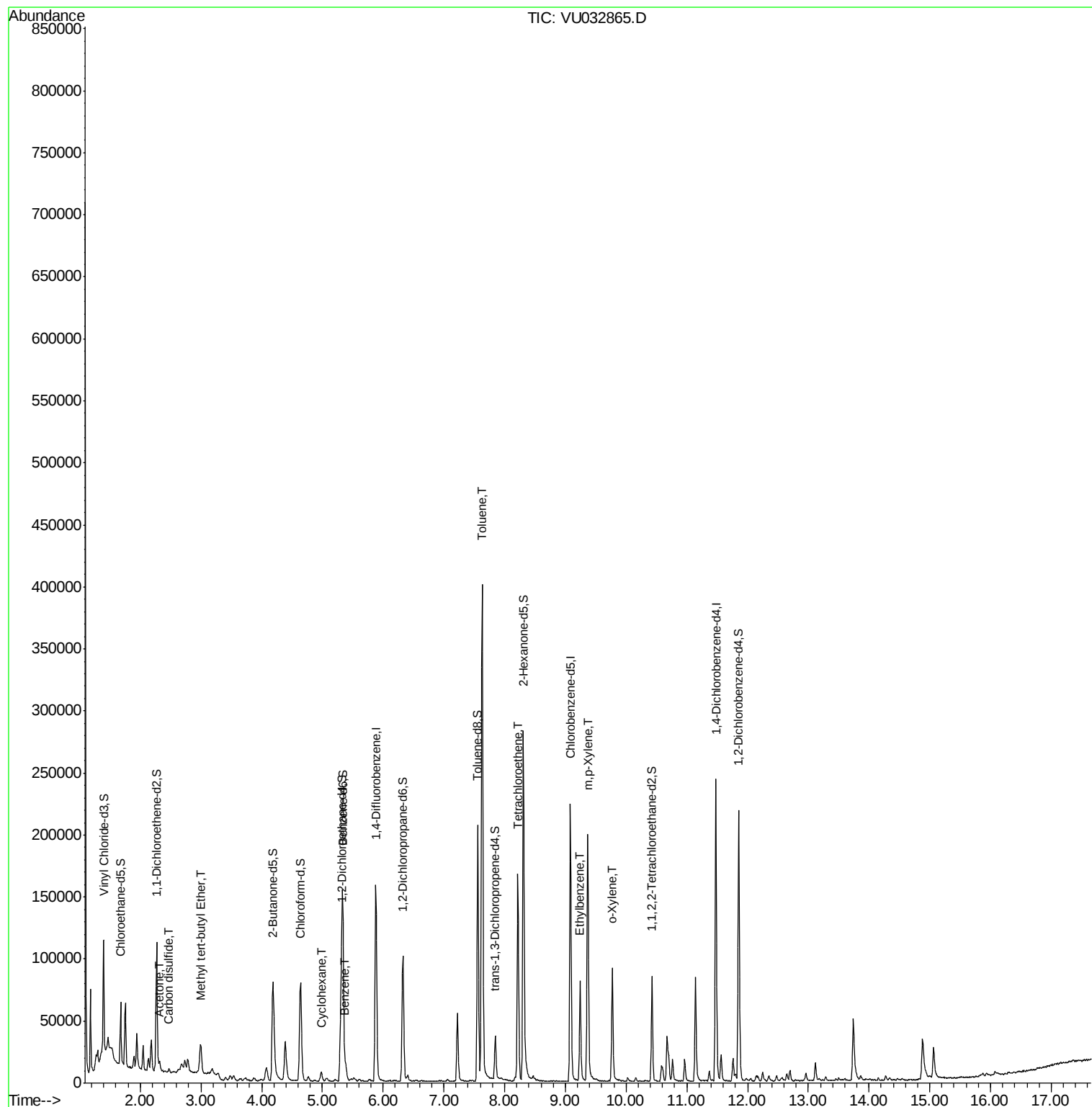
					Ovalue
13) Acetone	2.32	43	7173	4.067 ug/L	92
14) Carbon disulfide	2.47	76	3049	0.120 ug/L #	70
17) Methyl tert-butyl Ether	3.00	73	18378	0.790 ug/L #	70
30) Cyclohexane	4.98	56	3309	0.219 ug/L	99
33) Benzene	5.38	78	13162	0.381 ug/L	100
42) Toluene	7.63	91	294032	7.630 ug/L	98
47) Tetrachloroethene	8.22	164	36351	4.644 ug/L	97
52) Ethylbenzene	9.24	91	59462	1.400 ug/L	98
53) m,p-Xylene	9.37	106	58201	3.615 ug/L	93
54) o-Xylene	9.77	106	24754	1.540 ug/L	99

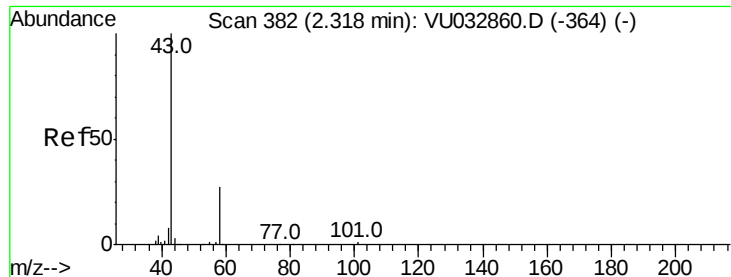
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.067 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

Instrument :

MSVOA_U

ClientSampled :

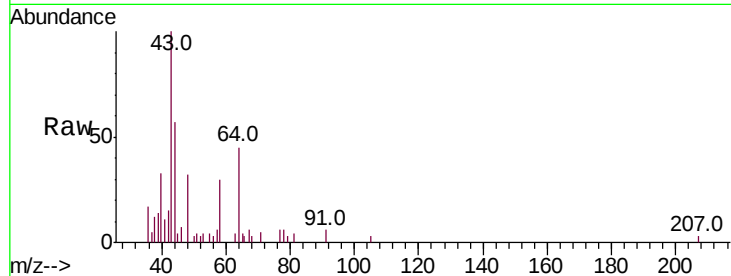
GALG3

Tot Ion: 43 Resp: 7173

Ion Ratio Lower Upper

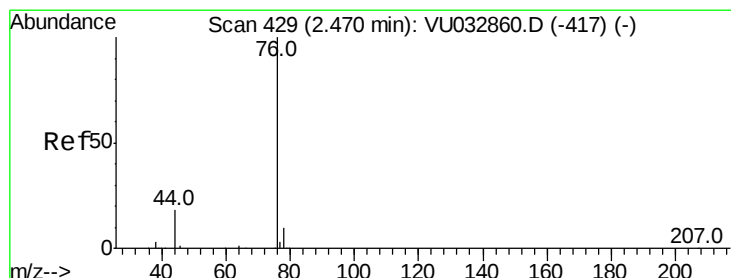
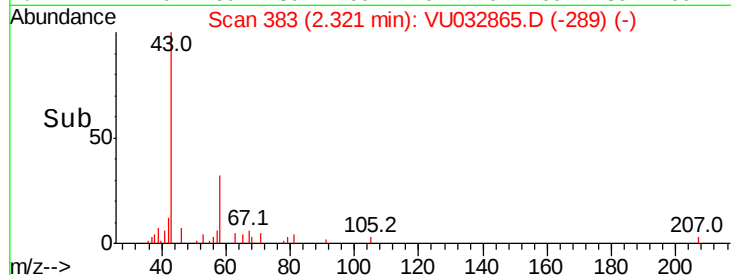
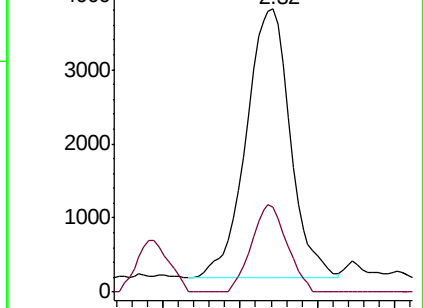
43 100

58 26.3 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) (-)



#14

Carbon disulfide

Concen: 0.120 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032865.D

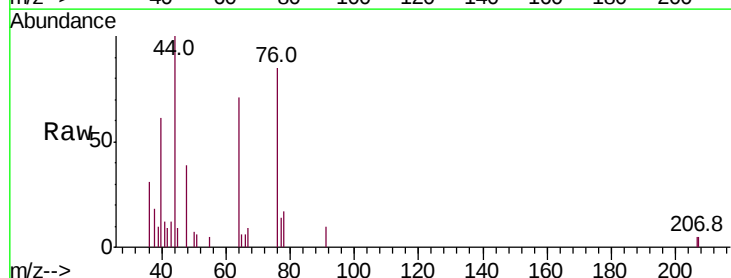
Acq: 19 Jun 2019 18:05

Tgt Ion: 76 Resp: 3049

Ion Ratio Lower Upper

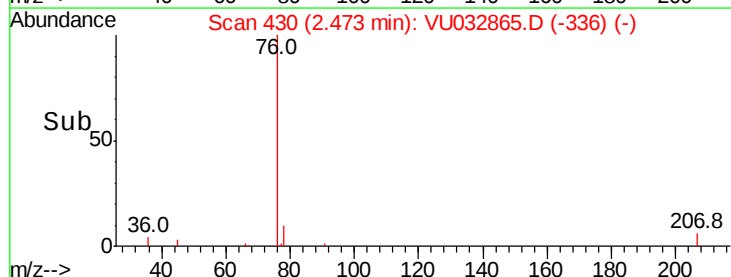
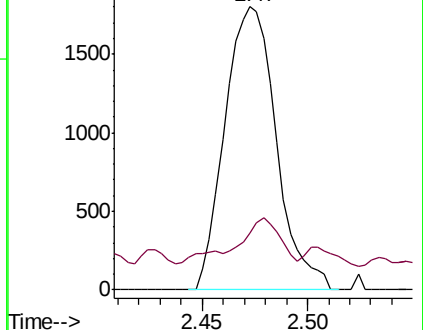
76 100

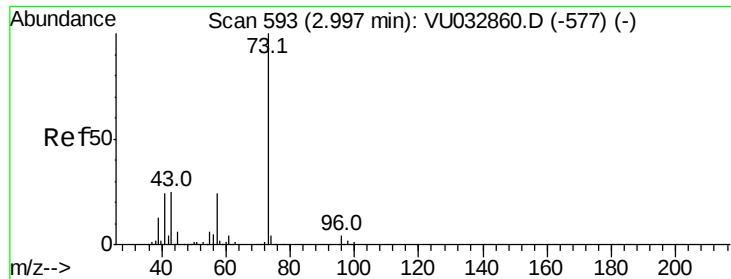
78 19.9 7.3 10.9#



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

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

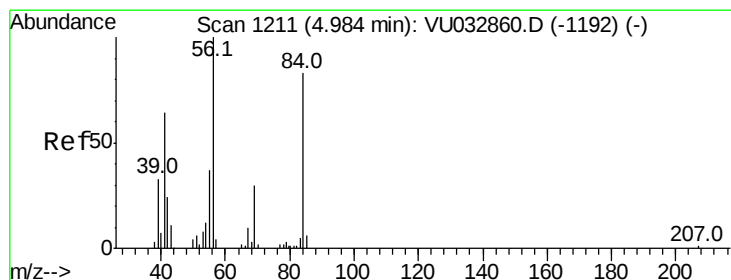
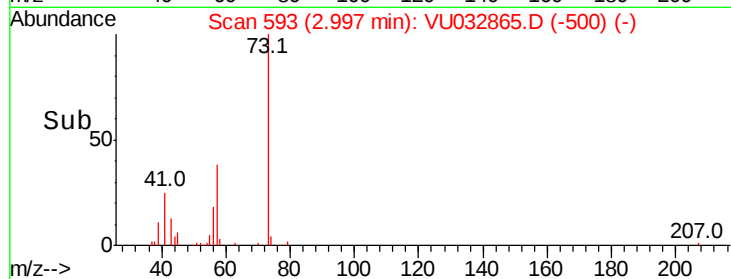
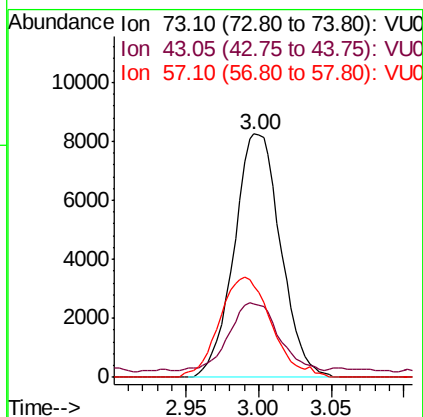
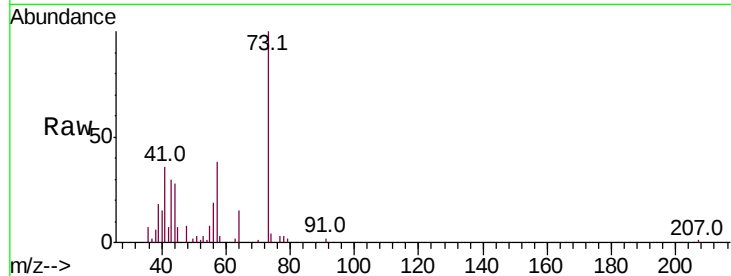




#17
Methvl tert-butvl Ether
Concen: 0.790 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

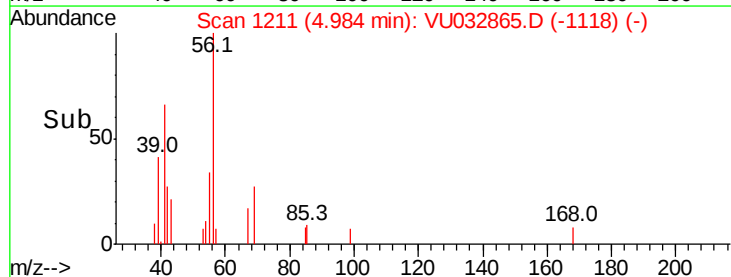
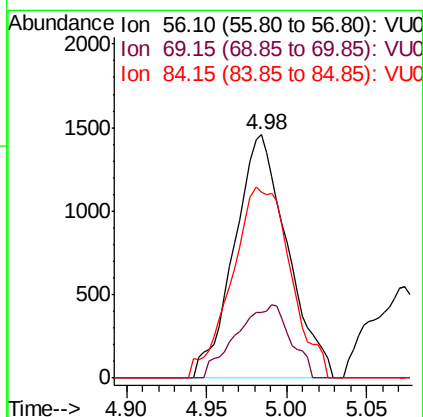
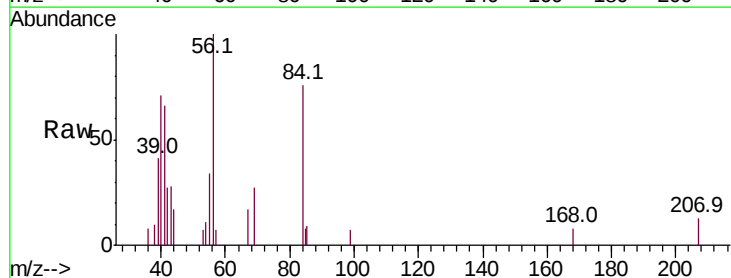
Instrument :
MSVOA_U
ClientSampled :
GALG3

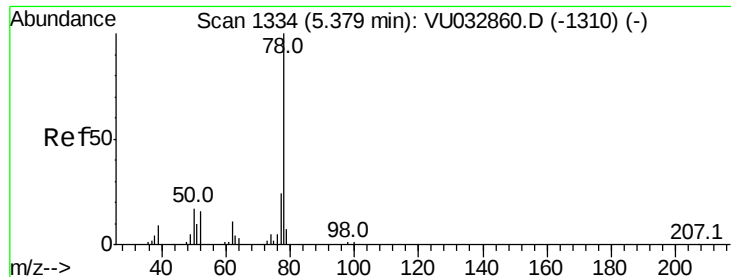
Tot Ion: 73 Resp: 18378
Ion Ratio Lower Upper
73 100
43 29.4 18.6 27.8#
57 46.0 18.3 27.5#



#30
Cyclohexane
Concen: 0.219 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

Tgt Ion: 56 Resp: 3309
Ion Ratio Lower Upper
56 100
69 30.6 24.9 37.3
84 86.7 70.2 105.2





#33

Benzene

Concen: 0.381 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

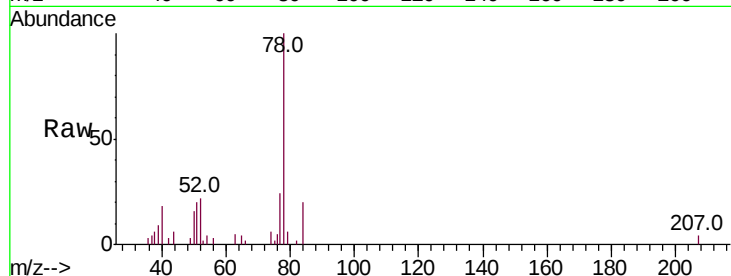
Instrument :

MSVOA_U

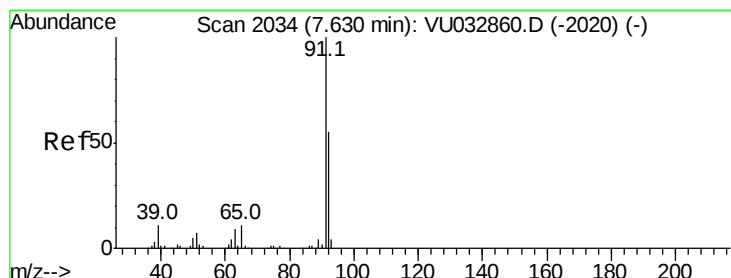
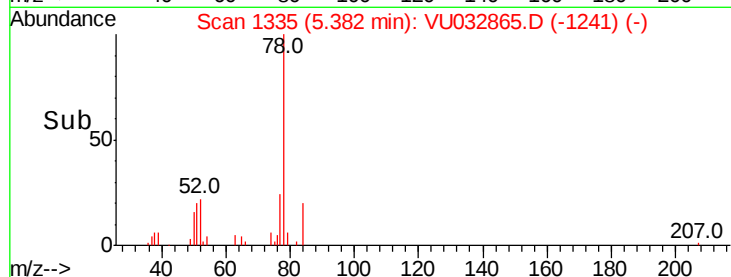
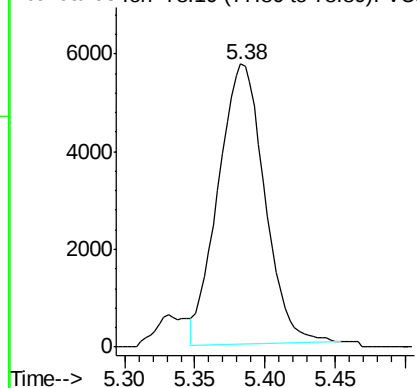
ClientSampleId :

GALG3

Tgt Ion: 78 Resp: 13162



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 7.630 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032865.D

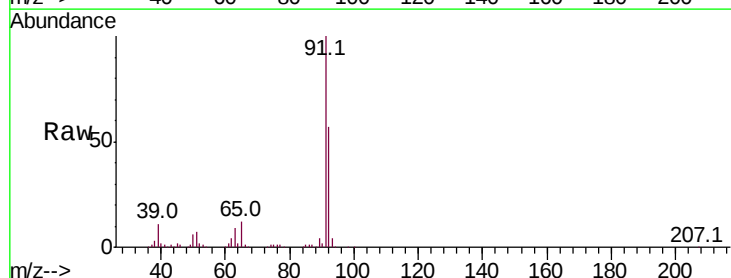
Acq: 19 Jun 2019 18:05

Tgt Ion: 91 Resp: 294032

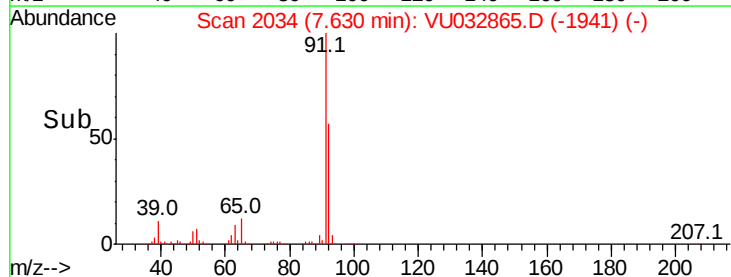
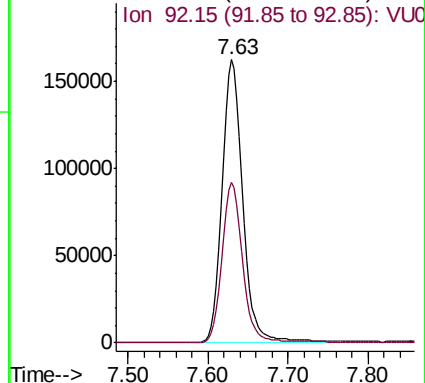
Ion Ratio Lower Upper

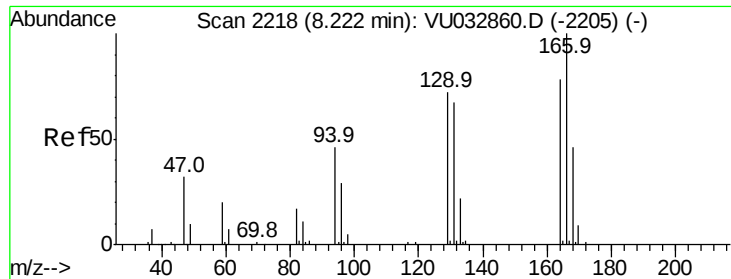
91 100

92 56.9 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0





#47

Tetrachloroethene

Concen: 4.644 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

GALG3

Tot Ion:164 Resp: 36351

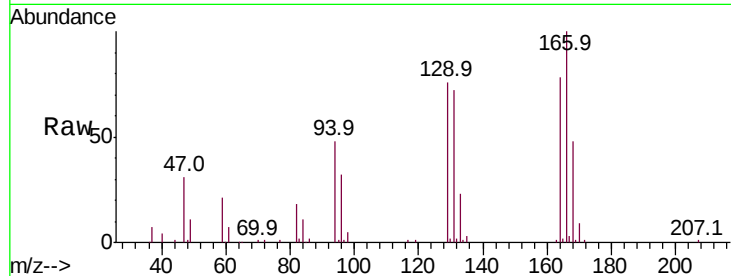
Ion Ratio Lower Upper

164 100

129 97.3 66.1 122.7

131 92.3 65.6 121.8

166 128.2 93.2 173.2

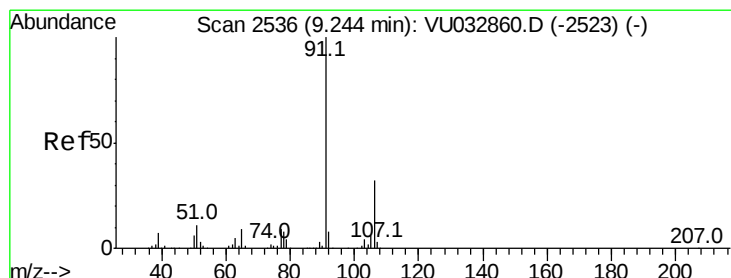
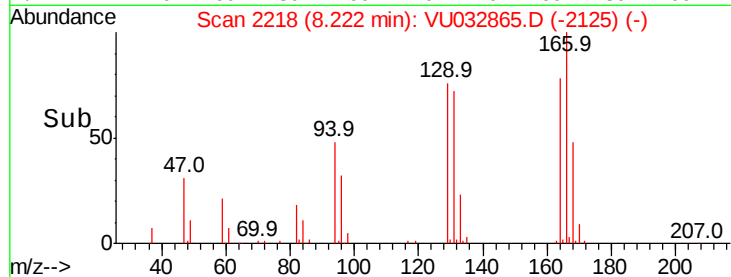
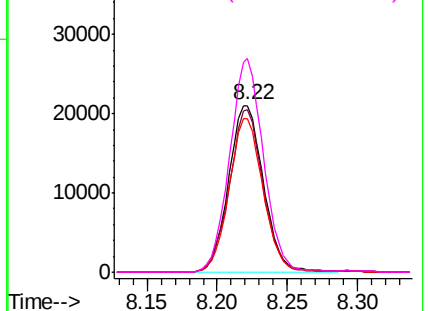


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.400 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032865.D

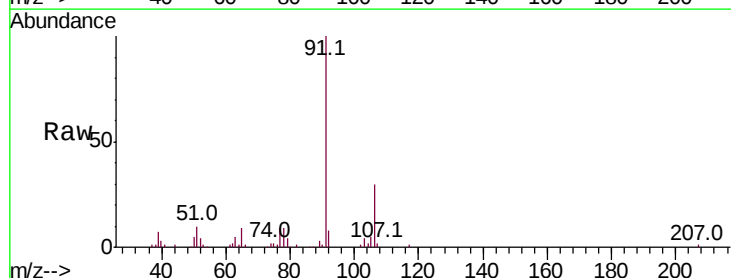
Acq: 19 Jun 2019 18:05

Tgt Ion: 91 Resp: 59462

Ion Ratio Lower Upper

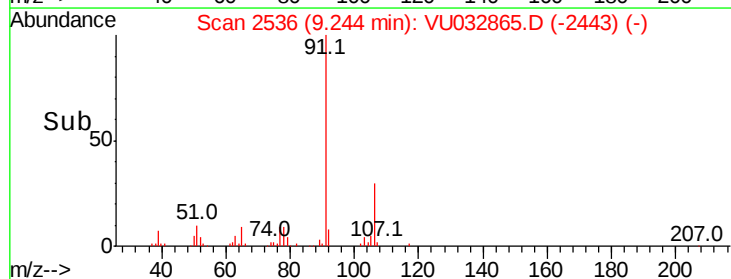
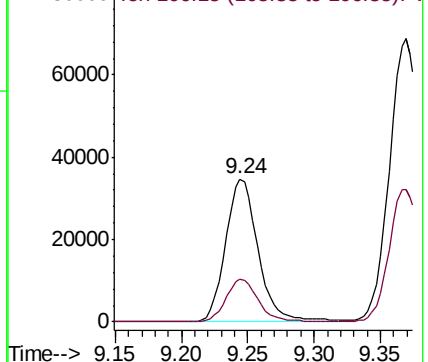
91 100

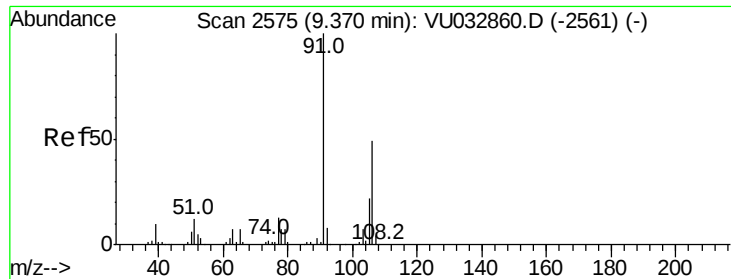
106 29.9 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 3.615 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

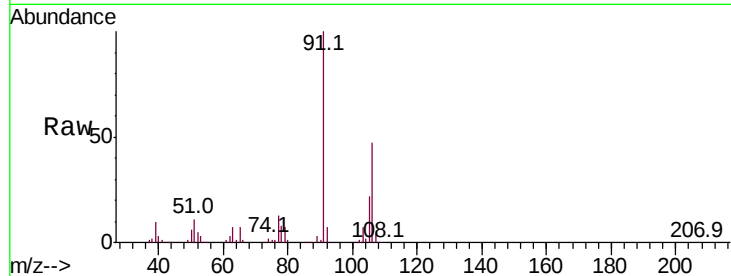
GALG3

Tot Ion:106 Resp: 58201

Ion Ratio Lower Upper

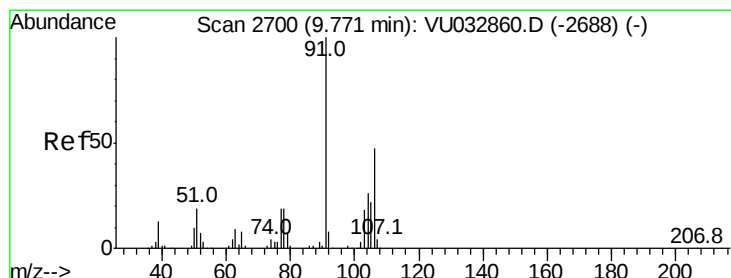
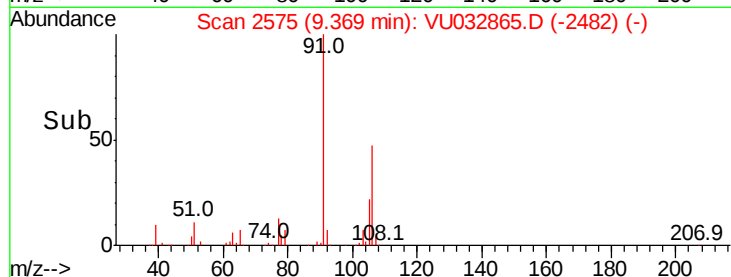
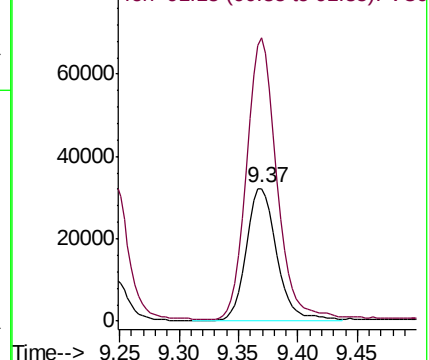
106 100

91 213.4 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 1.540 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032865.D

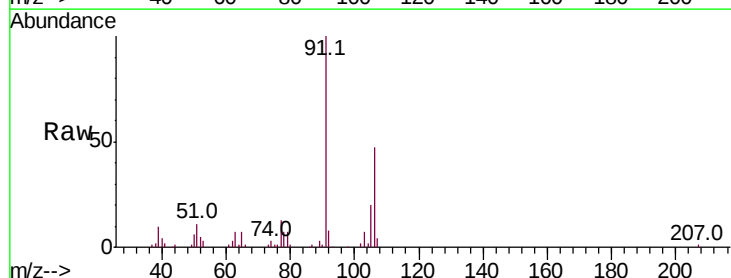
Acq: 19 Jun 2019 18:05

Tgt Ion:106 Resp: 24754

Ion Ratio Lower Upper

106 100

91 213.8 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

