

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 07:27:59 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

					Qvalue
8) Chloroethane	1.82	64	609	0.087 ug/L #	53
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
21) 2-Butanone	4.39	43	49089	19.137 ug/L #	50
30) Cyclohexane	4.98	56	3309	0.219 ug/L	99
33) Benzene	5.38	78	13162	0.381 ug/L	100
35) Methylcyclohexane	6.41	83	1697	0.106 ug/L #	76
37) 1,2-Dichloropropane	6.32	63	5766	0.644 ug/L #	89
42) Toluene	7.63	91	294032	7.630 ug/L	98
47) Tetrachloroethene	8.22	164	36351	4.644 ug/L	97
49) Dibromochloromethane	8.22	129	34473	4.141 ug/L #	11
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
69) Naphthalene	13.74	128	57000	2.485 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 20 07:24:34 2019
Response via : Initial Calibration

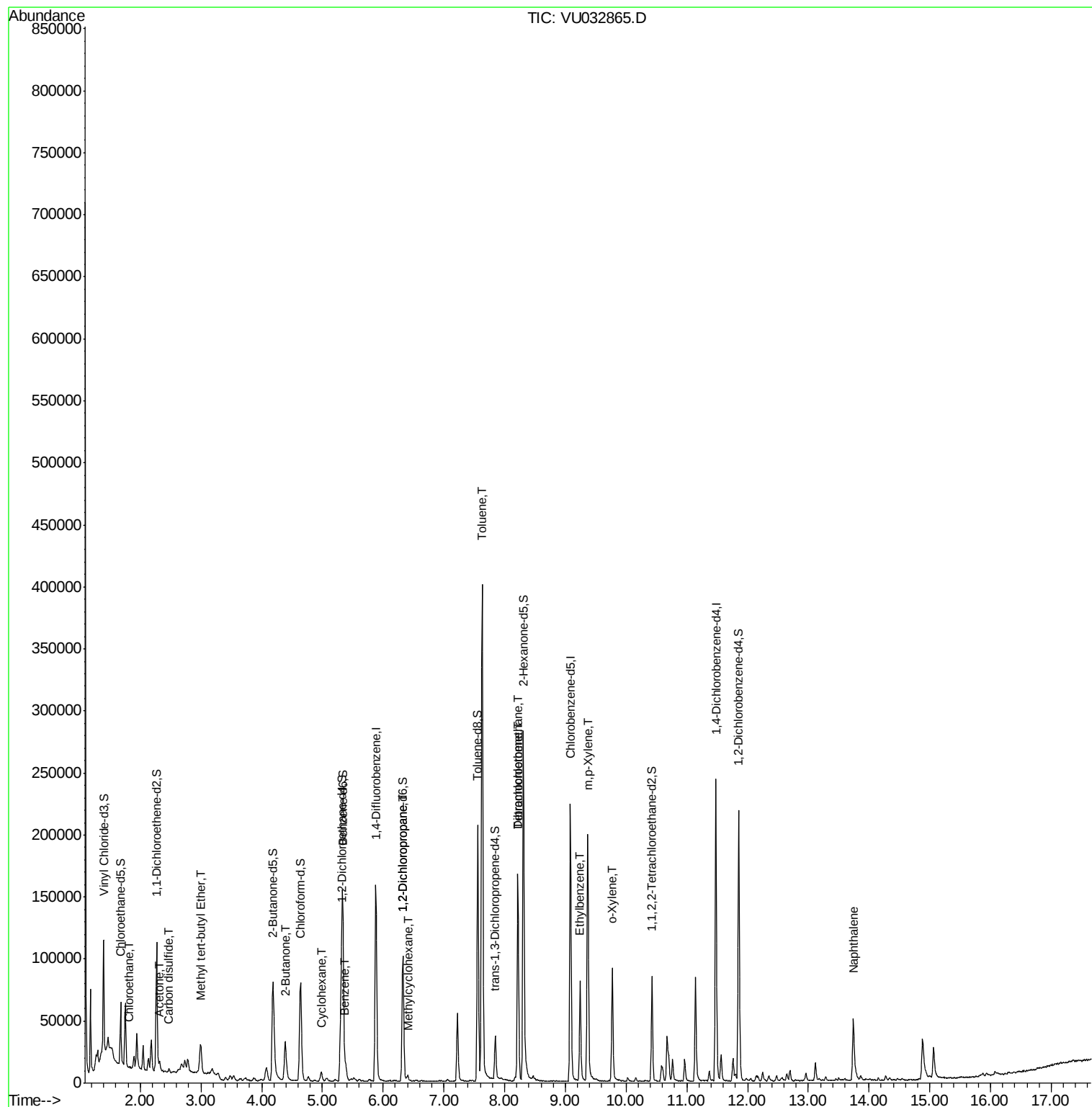
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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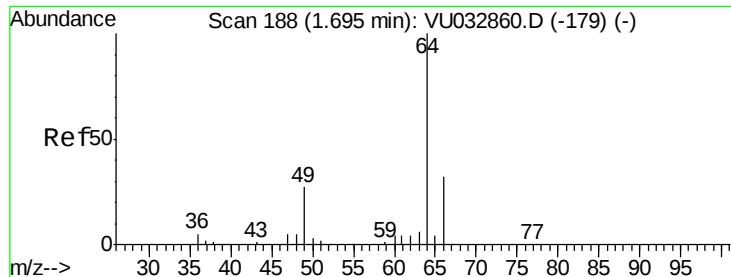
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
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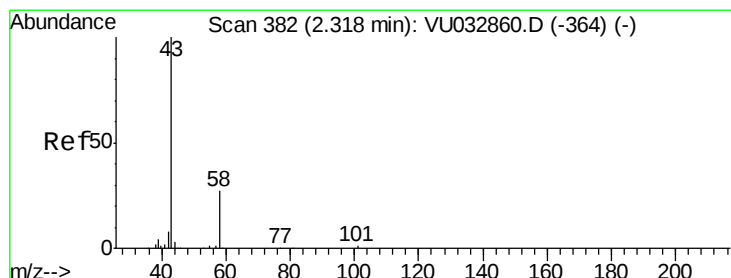
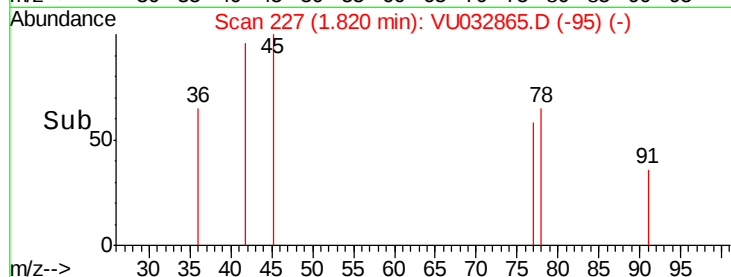
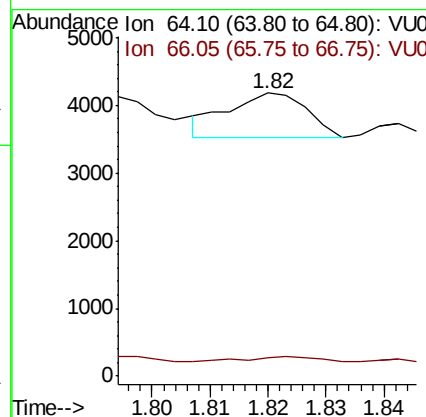
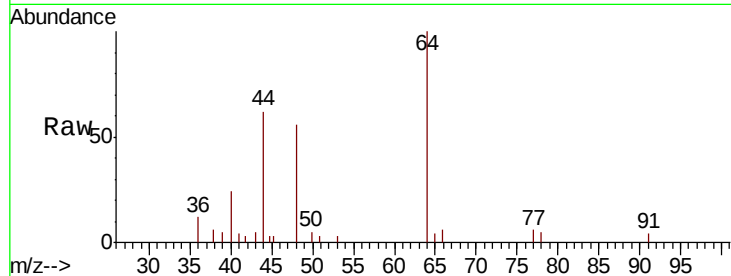




#8
Chloroethane
Concen: 0.087 ug/L
RT: 1.82 min Scan# 227
Delta R.T. 0.13 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

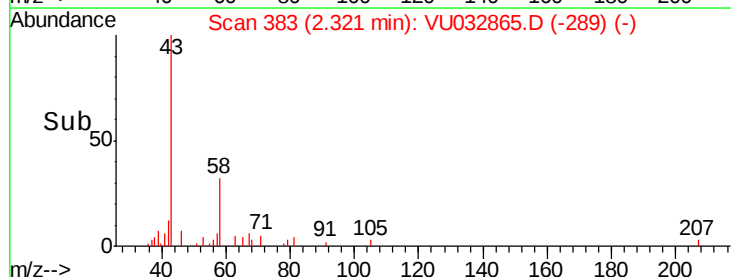
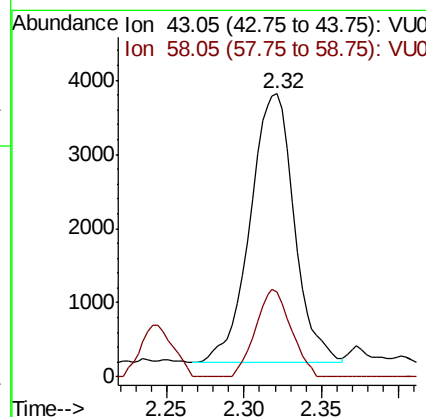
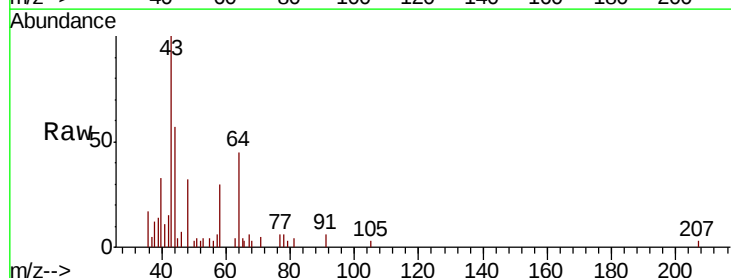
Instrument :
MSVOA_U
ClientSampleId :
GALG3

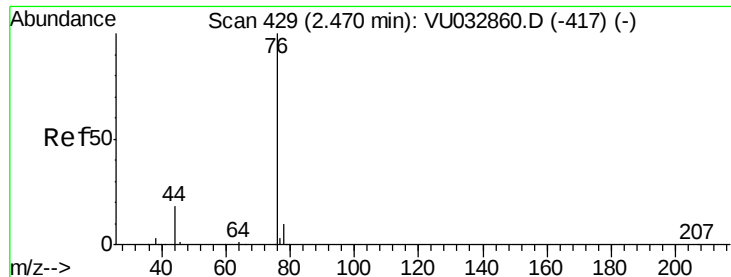
Tgt Ion: 64 Resp: 609
Ion Ratio Lower Upper
64 100
66 6.4 22.8 42.4#



#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

Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
58 26.3 0.0 60.8





#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

Instrument :

MSVOA_U

ClientSampleId :

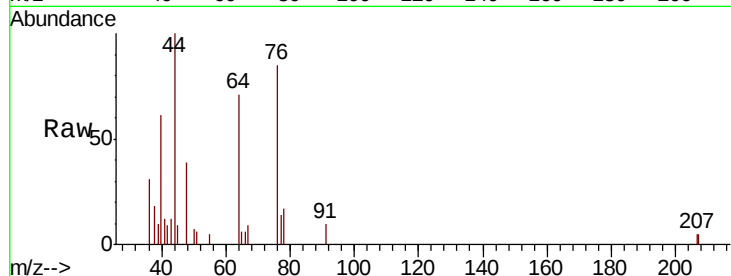
GALG3

Tgt Ion: 76 Resp: 3049

Ion Ratio Lower Upper

76 100

78 19.9 7.3 10.9#



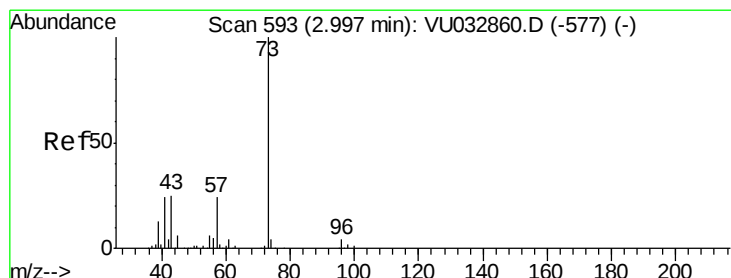
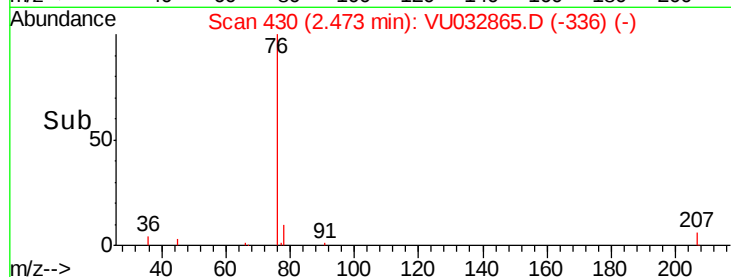
Abundance Ion 76.05 (75.75 to 76.75): VU032865.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032865.D (-417) (-)

2.47

2.45 2.50

Time-->



#17

Methyl tert-butyl 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

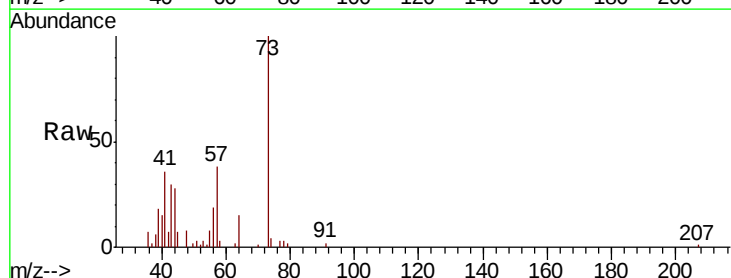
Tgt Ion: 73 Resp: 18378

Ion Ratio Lower Upper

73 100

43 29.4 18.6 27.8#

57 46.0 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VU032865.D (-577) (-)

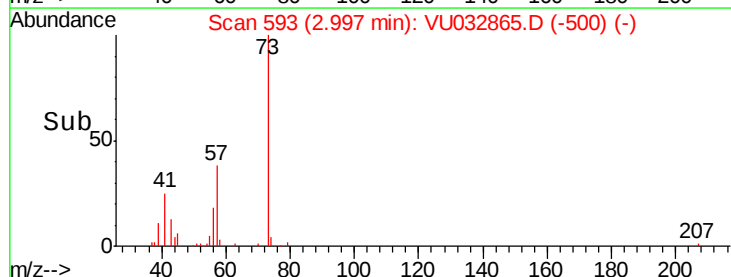
Ion 43.05 (42.75 to 43.75): VU032865.D (-577) (-)

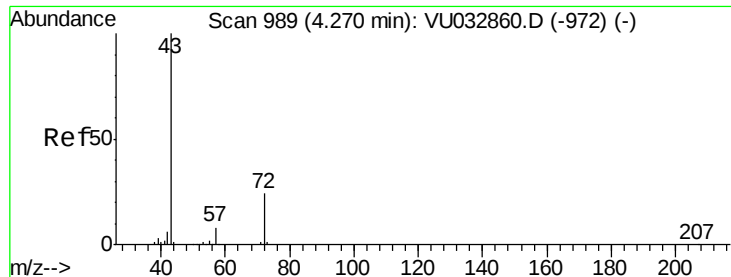
Ion 57.10 (56.80 to 57.80): VU032865.D (-577) (-)

3.00

2.95 3.05

Time-->





#21

2-Butanone

Concen: 19.137 ug/L

RT: 4.39 min Scan# 1026

Delta R.T. 0.12 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

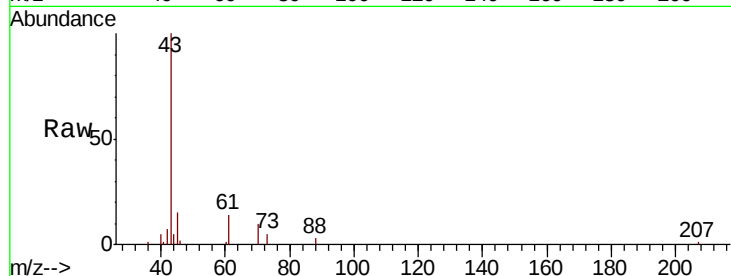
GALG3

Tgt Ion: 43 Resp: 49089

Ion Ratio Lower Upper

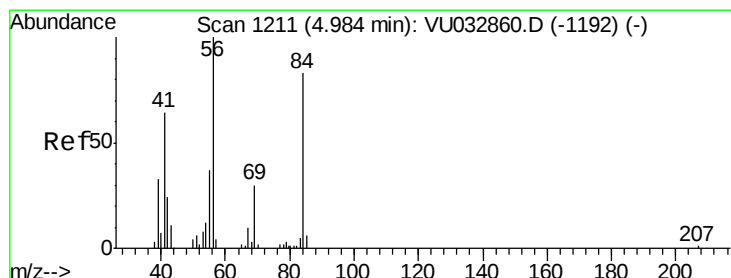
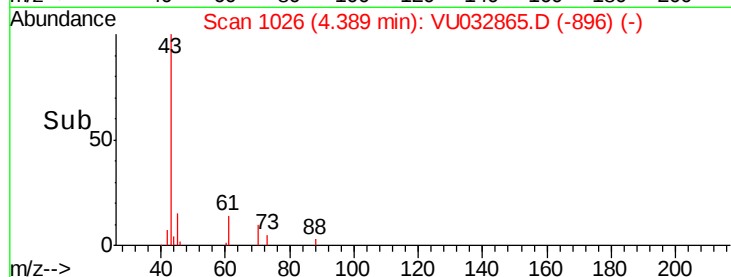
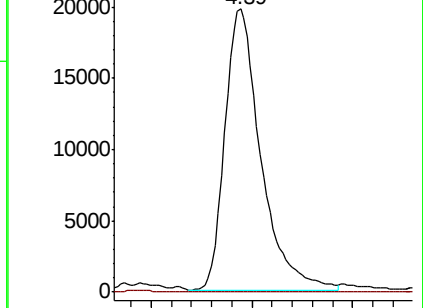
43 100

72 0.4 13.1 39.3#



Abundance Ion 43.05 (42.75 to 43.75): VU032865.D (-1026) (-)

Ion 72.10 (71.80 to 72.80): VU032865.D (-1026) (-)



#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

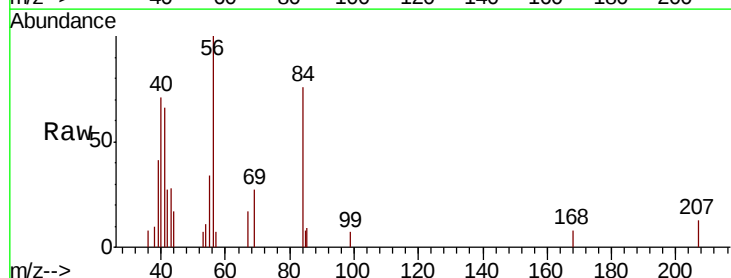
Tgt Ion: 56 Resp: 3309

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

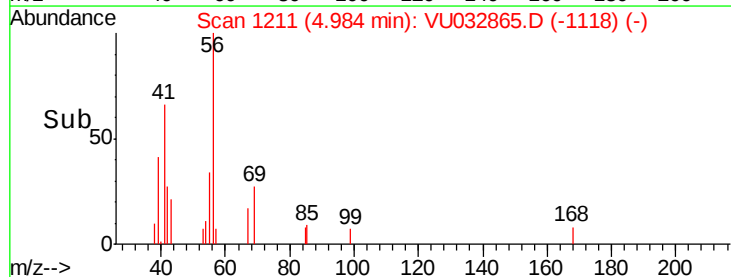
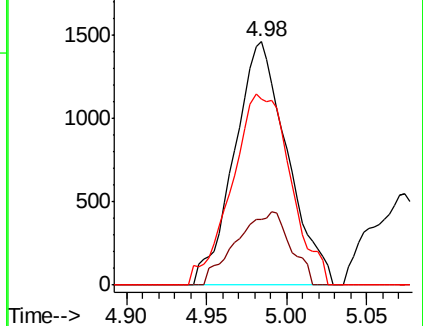
84 86.7 70.2 105.2

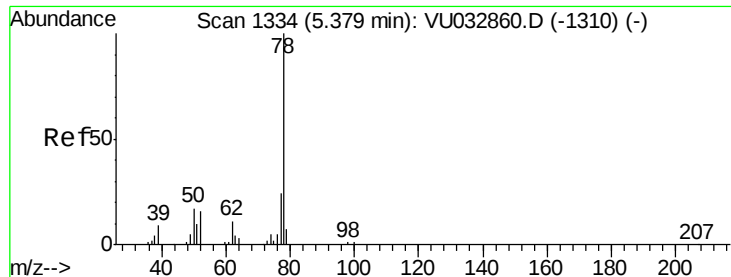


Abundance Ion 56.10 (55.80 to 56.80): VU032865.D (-1211) (-)

Ion 69.15 (68.85 to 69.85): VU032865.D (-1211) (-)

Ion 84.15 (83.85 to 84.85): VU032865.D (-1211) (-)

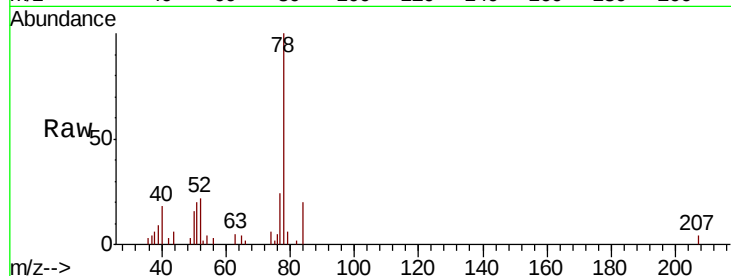




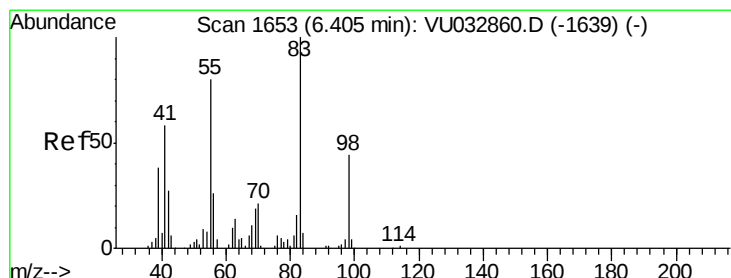
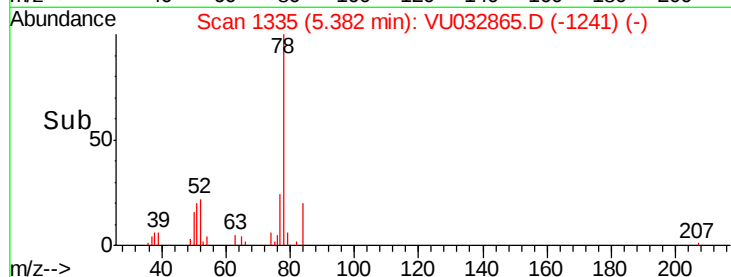
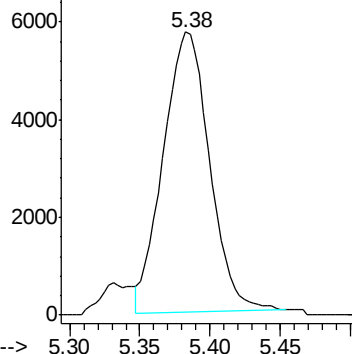
#33
Benzene
Concen: 0.381 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

Instrument :
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Tgt Ion: 78 Resp: 13162

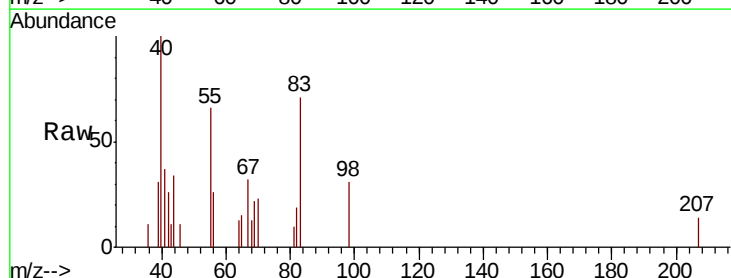


Abundance Ion 78.10 (77.80 to 78.80): VU0



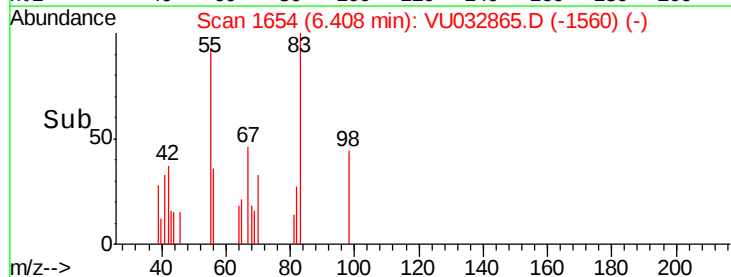
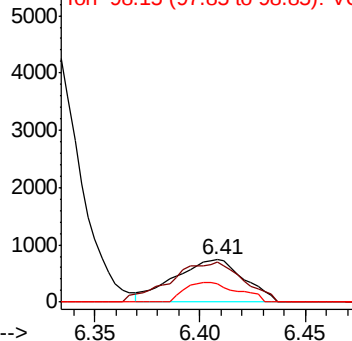
#35
Methylcyclohexane
Concen: 0.106 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

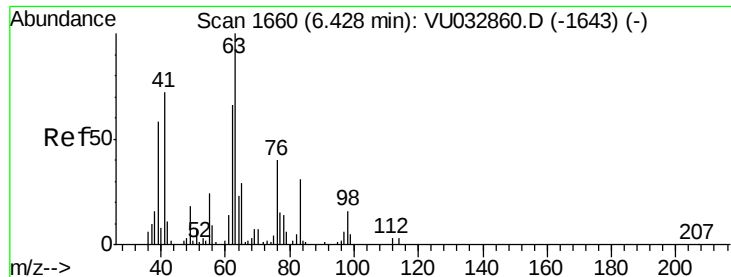
Tgt Ion: 83 Resp: 1697
Ion Ratio Lower Upper
83 100
55 98.1 60.0 90.0#
98 35.1 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.644 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032865.D

Acq: 19 Jun 2019 18:05

Instrument :

MSVOA_U

ClientSampleId :

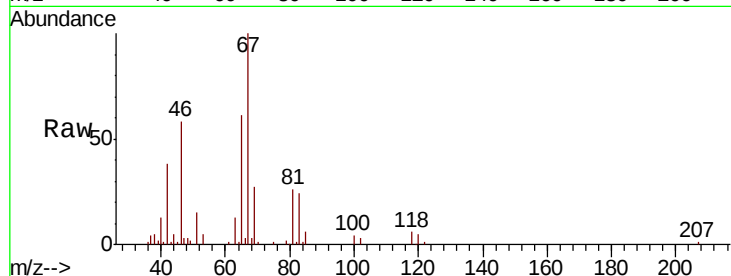
GALG3

Tgt Ion: 63 Resp: 5766

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032860.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU032860.D (-1643) (-)

6.32

3000

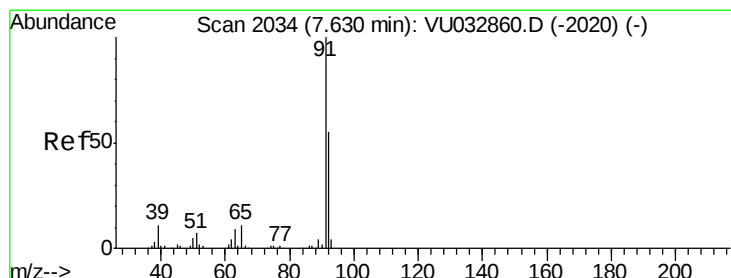
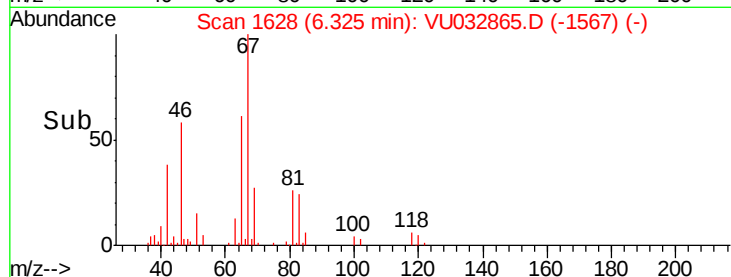
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#42

Toluene

Concen: 7.630 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032865.D

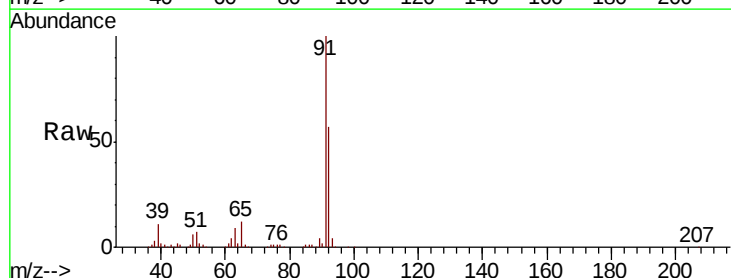
Acq: 19 Jun 2019 18:05

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): VU032860.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032860.D (-2020) (-)

7.63

150000

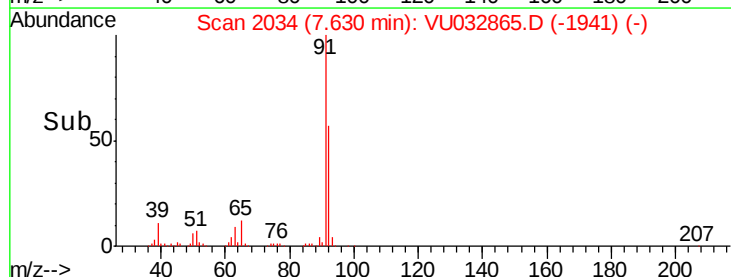
100000

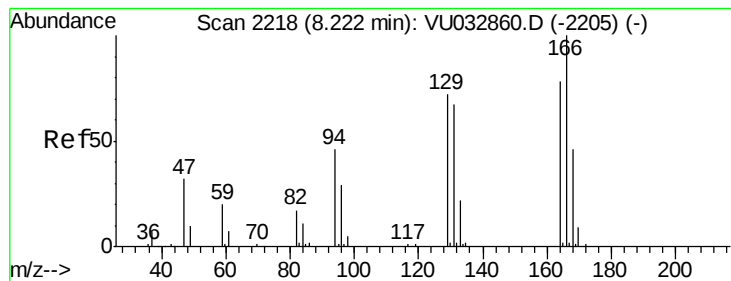
50000

0

7.50 7.60 7.70 7.80

Time-->





#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

Tgt Ion:164 Resp: 36351

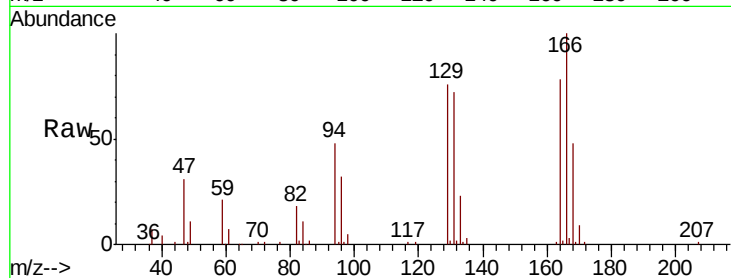
Ion Ratio Lower Upper

164 100

129 97.3 66.1 122.7

131 92.3 65.6 121.8

166 128.2 93.2 173.2



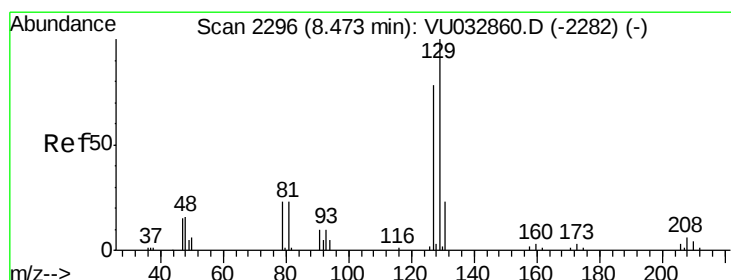
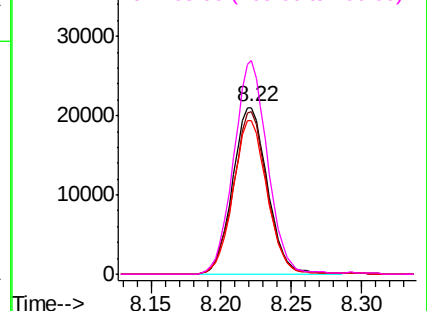
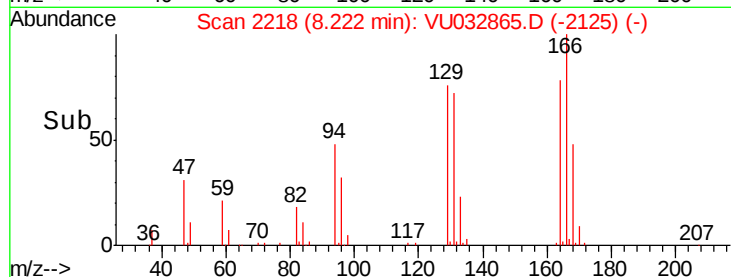
Abundance

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



#49

Dibromochloromethane

Concen: 4.141 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032865.D

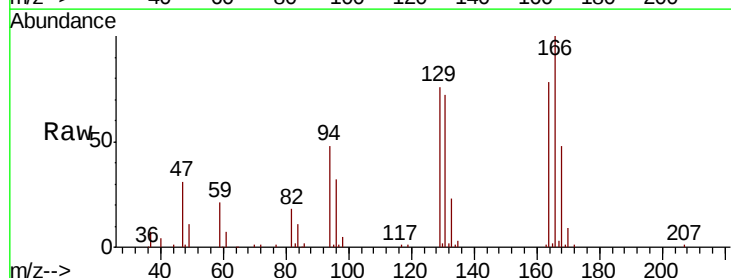
Acq: 19 Jun 2019 18:05

Tgt Ion:129 Resp: 34473

Ion Ratio Lower Upper

129 100

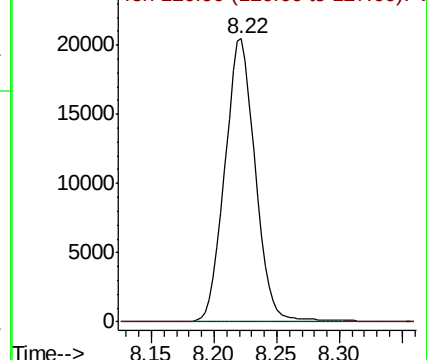
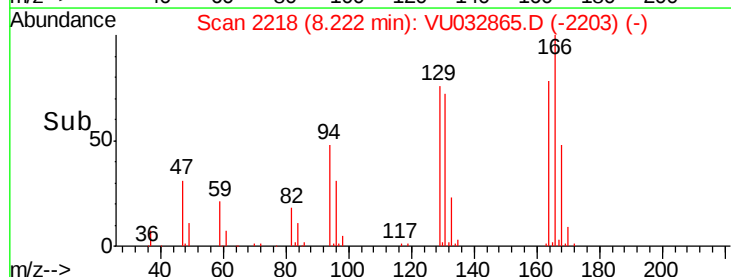
127 0.0 53.3 98.9#

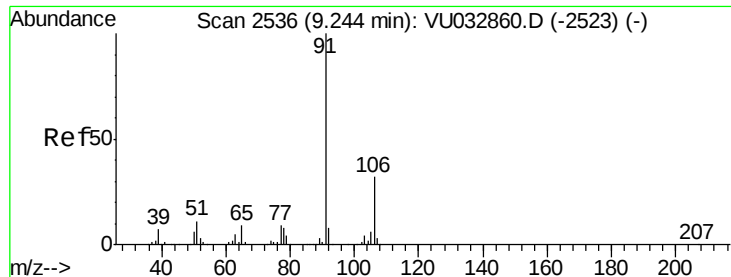


Abundance

Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): 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

Instrument :

MSVOA_U

ClientSampleId :

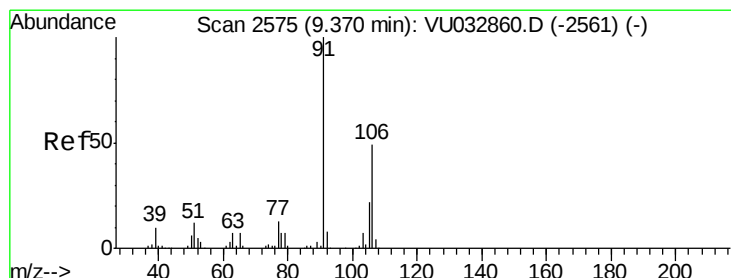
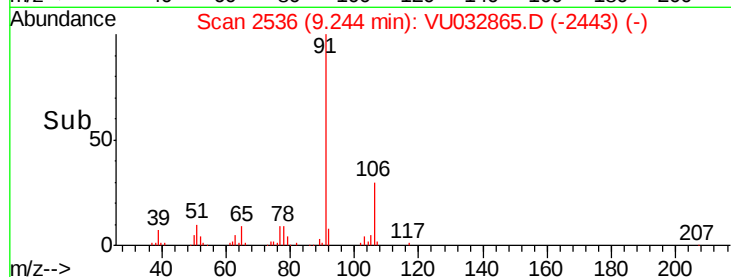
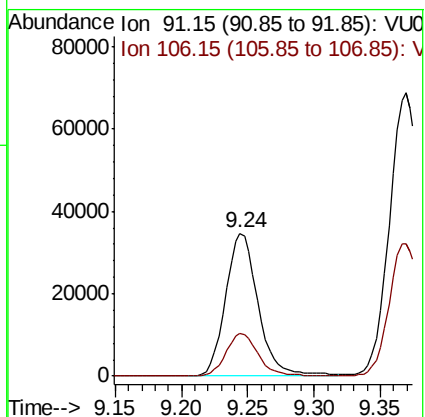
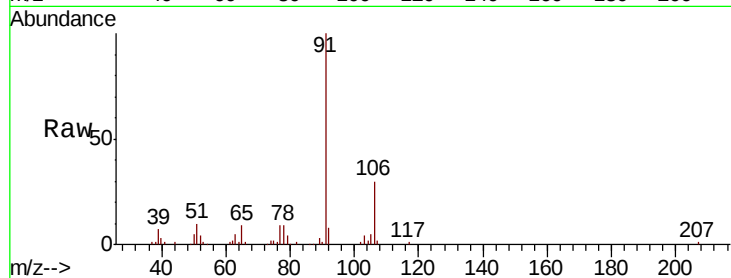
GALG3

Tgt Ion: 91 Resp: 59462

Ion Ratio Lower Upper

91 100

106 29.9 21.8 40.6



#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

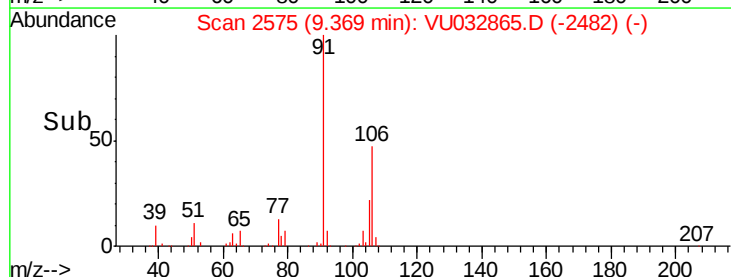
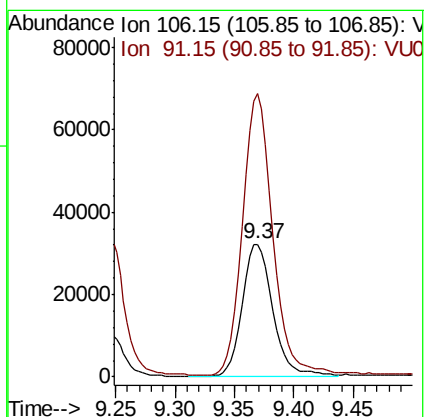
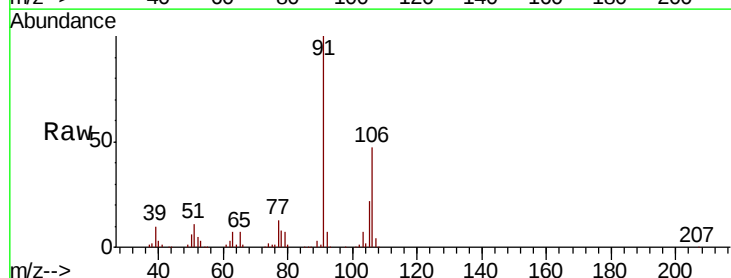
Acq: 19 Jun 2019 18:05

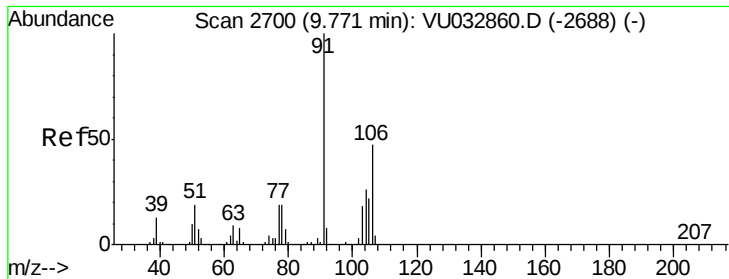
Tgt Ion: 106 Resp: 58201

Ion Ratio Lower Upper

106 100

91 213.4 142.4 264.4

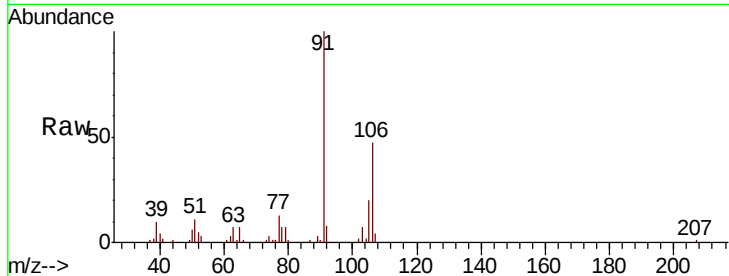




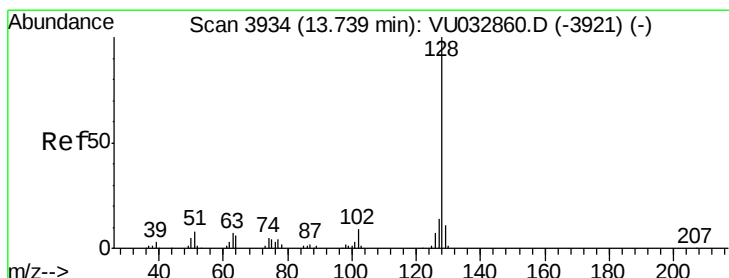
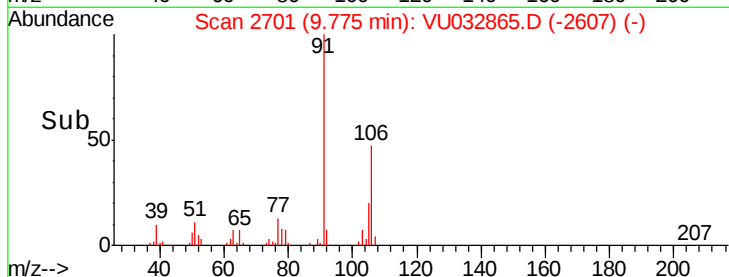
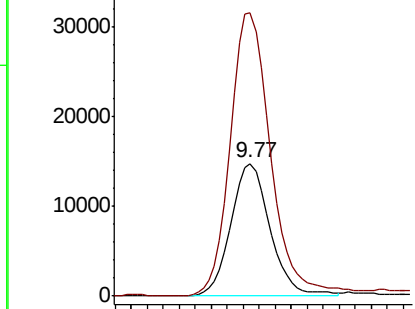
#54
o-Xylene
Concen: 1.540 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

Instrument :
MSVOA_U
ClientSampleId :
GALG3

Tgt Ion:106 Resp: 24754
Ion Ratio Lower Upper
106 100
91 213.8 148.8 276.4

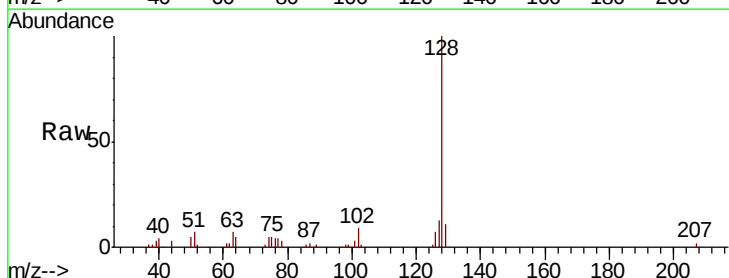


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0



#69
Naphthalene
Concen: 2.485 ug/L
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU032865.D
Acq: 19 Jun 2019 18:05

Tgt Ion:128 Resp: 57000
Ion Ratio Lower Upper
128 100
129 10.4 8.1 12.1
127 12.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

