

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032867.D
 Acq On : 19 Jun 2019 18:53
 Operator : JC/SP
 Sample : K3413-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG1

Quant Time: Jun 20 07:28:18 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	113614	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	109159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31807	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.68	69	28795	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.27	63	53045	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.19	46	124396	60.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.68%
24) Chloroform-d	4.64	84	71418	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.31	65	43258	6.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.20%
32) Benzene-d6	5.33	84	139303	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.32	67	44898	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.56	98	128752	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	7.85	79	18259	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.31	63	97392	54.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39836	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	55654	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
13) Acetone	2.32	43	3647	2.279 ug/L	88
14) Carbon disulfide	2.47	76	2343	0.101 ug/L #	74
17) Methyl tert-butyl Ether	3.00	73	5314	0.252 ug/L #	87
21) 2-Butanone	4.39	43	43632	18.749 ug/L #	49
33) Benzene	5.38	78	3928	0.122 ug/L	100
37) 1,2-Dichloropropane	6.32	63	5468	0.657 ug/L #	89
42) Toluene	7.63	91	58377	1.627 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	881	0.086 ug/L #	71
45) 1,1,2-Trichloroethane	8.22	97	1320	0.218 ug/L #	14
47) Tetrachloroethene	8.22	164	132354	18.168 ug/L	96
49) Dibromochloromethane	8.22	129	124200	16.028 ug/L #	11
52) Ethylbenzene	9.25	91	11418	0.289 ug/L	98
53) m,p-Xylene	9.37	106	10358	0.691 ug/L	96
54) o-Xylene	9.77	106	4092	0.274 ug/L	85
59) 1,2,3-Trichloropropane	11.48	75	7417	1.356 ug/L #	88

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QLast Update : Thu Jun 20 07:24:34 2019
Response via : Initial Calibration

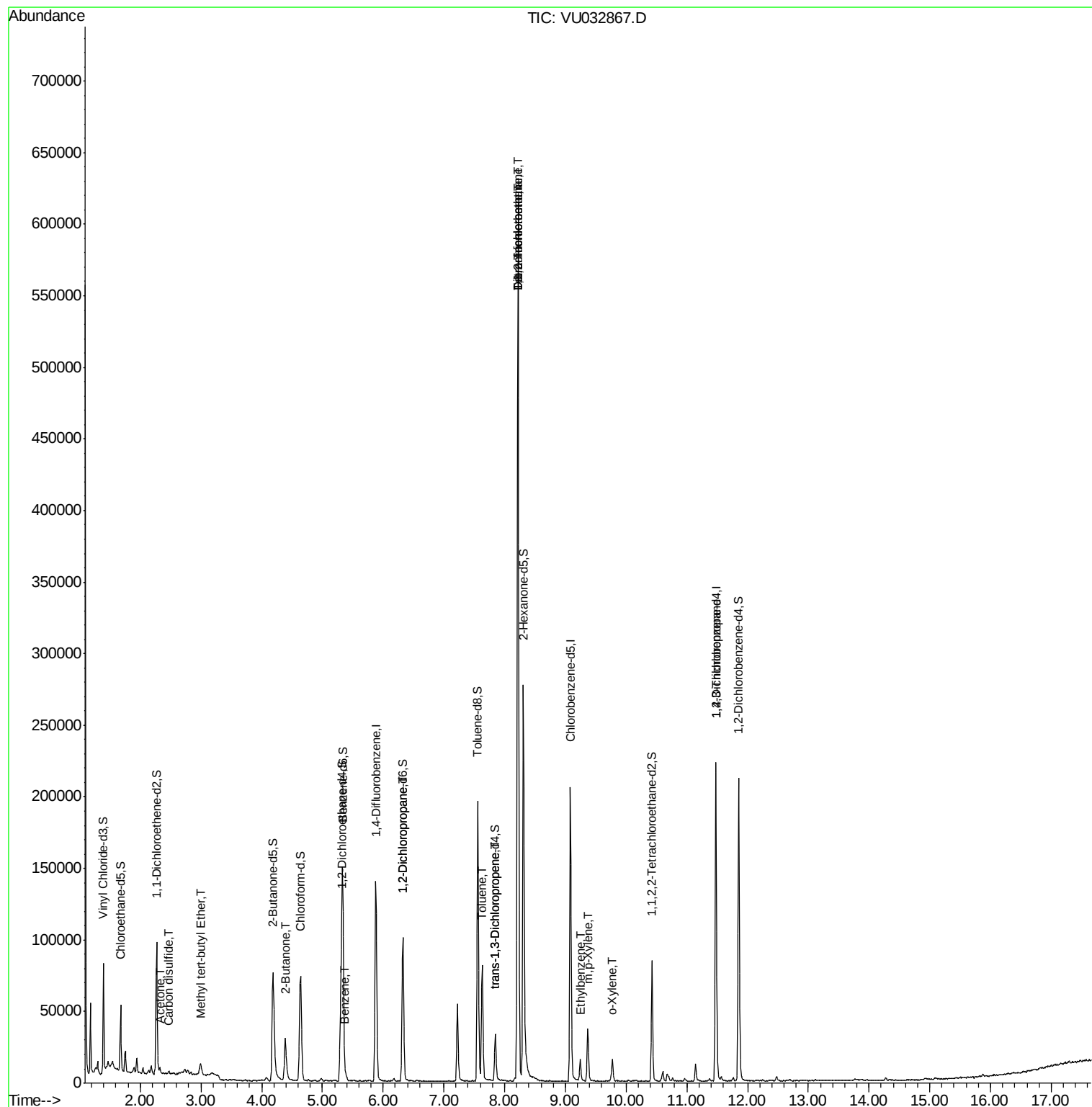
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

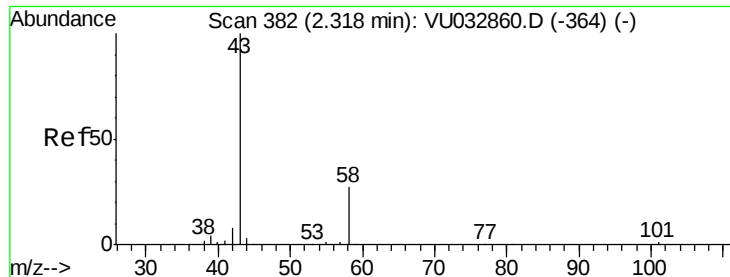
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 2.279 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampleId :

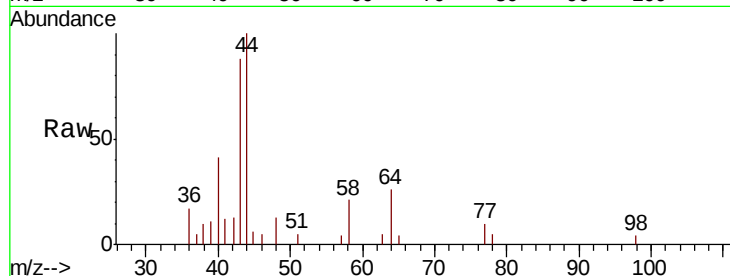
GALG1

Tgt Ion: 43 Resp: 3647

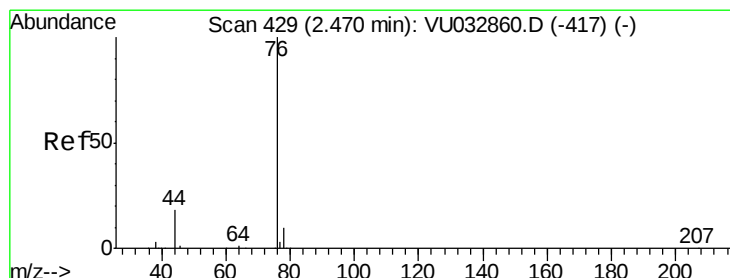
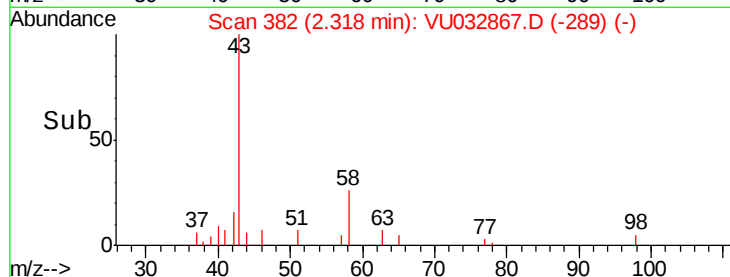
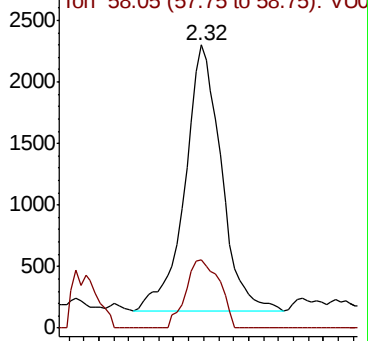
Ion Ratio Lower Upper

43 100

58 23.7 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032867.D (-289) (-)



#14

Carbon disulfide

Concen: 0.101 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032867.D

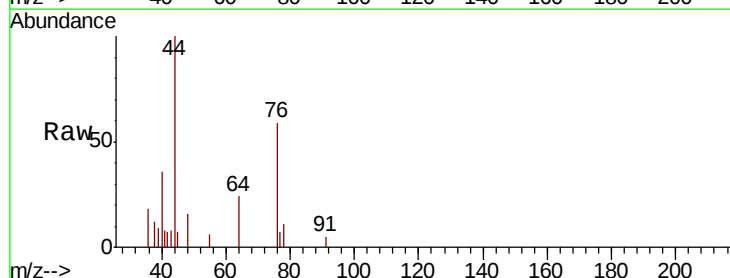
Acq: 19 Jun 2019 18:53

Tgt Ion: 76 Resp: 2343

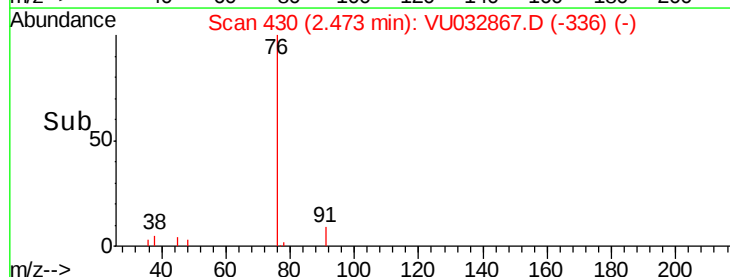
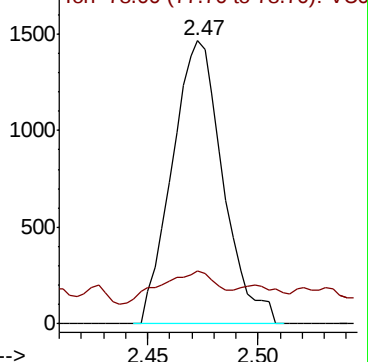
Ion Ratio Lower Upper

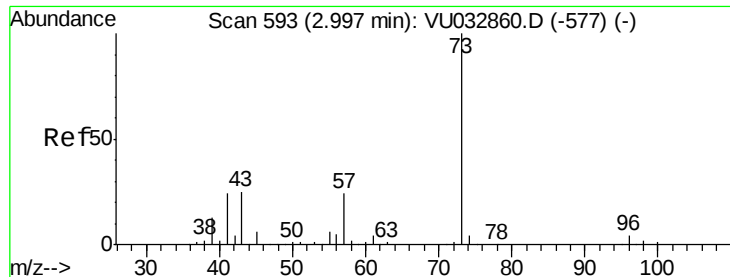
76 100

78 18.6 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU032867.D (-336) (-)

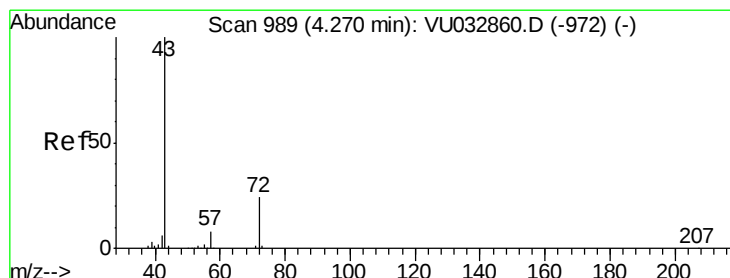
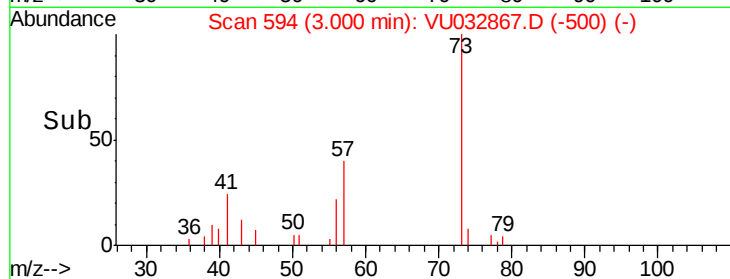
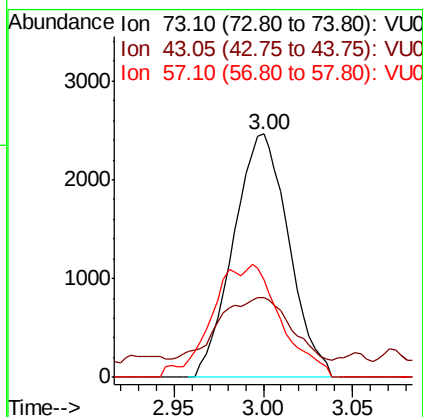
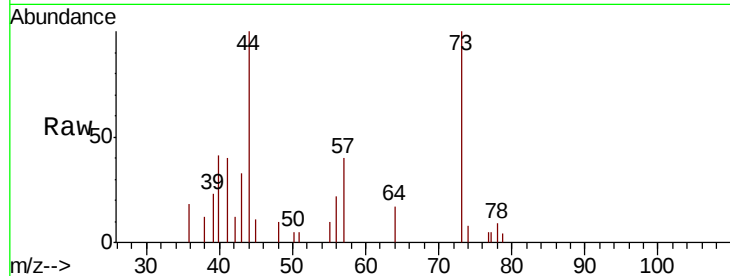




#17
Methyl tert-butyl Ether
Concen: 0.252 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032867.D
Acq: 19 Jun 2019 18:53

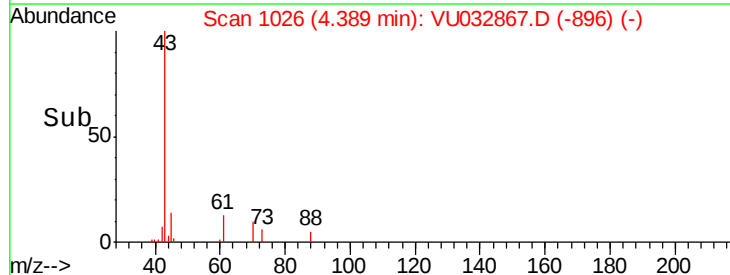
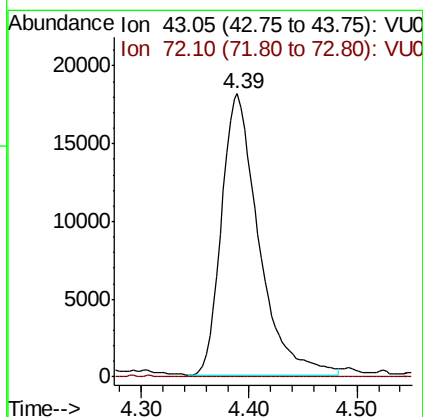
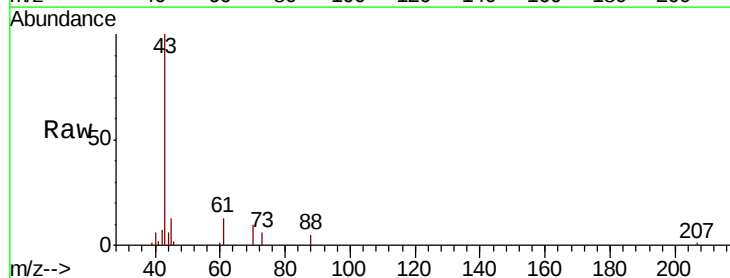
Instrument :
MSVOA_U
ClientSampleId :
GALG1

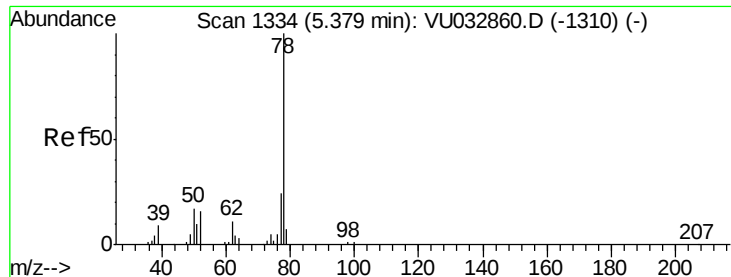
Tgt Ion: 73 Resp: 5314
Ion Ratio Lower Upper
73 100
43 32.3 18.6 27.8#
57 26.4 18.3 27.5



#21
2-Butanone
Concen: 18.749 ug/L
RT: 4.39 min Scan# 1026
Delta R.T. 0.12 min
Lab File: VU032867.D
Acq: 19 Jun 2019 18:53

Tgt Ion: 43 Resp: 43632
Ion Ratio Lower Upper
43 100
72 0.1 13.1 39.3#





#33

Benzene

Concen: 0.122 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

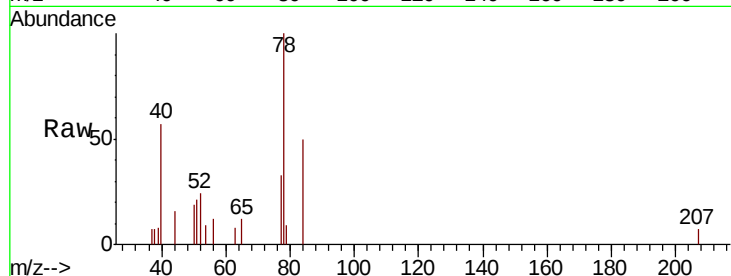
Instrument :

MSVOA_U

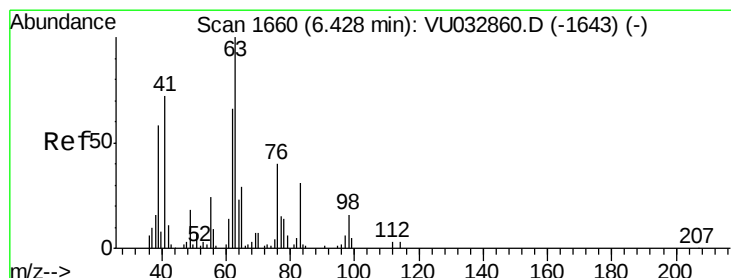
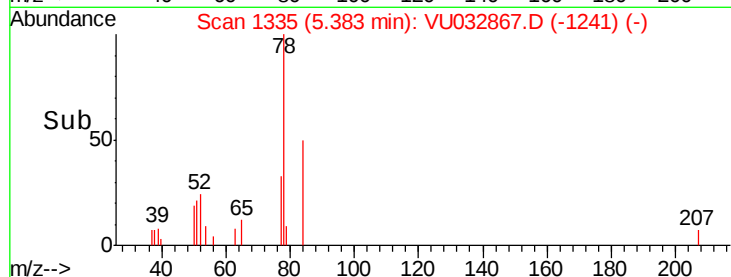
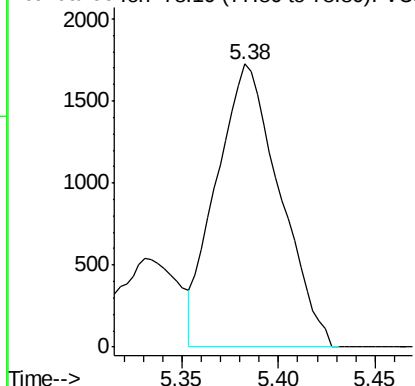
ClientSampleId :

GALG1

Tgt Ion: 78 Resp: 3928



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.657 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032867.D

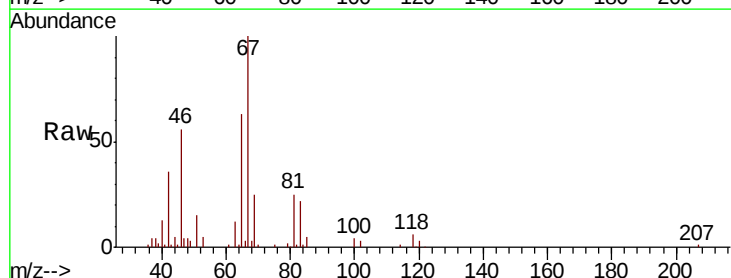
Acq: 19 Jun 2019 18:53

Tgt Ion: 63 Resp: 5468

Ion Ratio Lower Upper

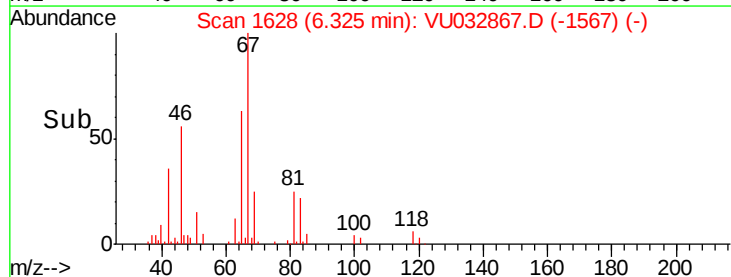
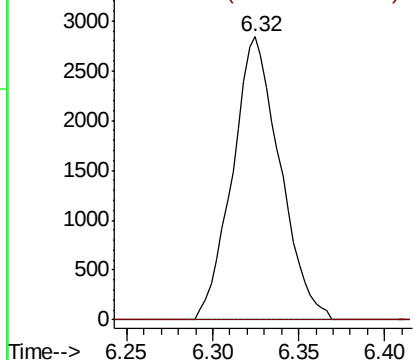
63 100

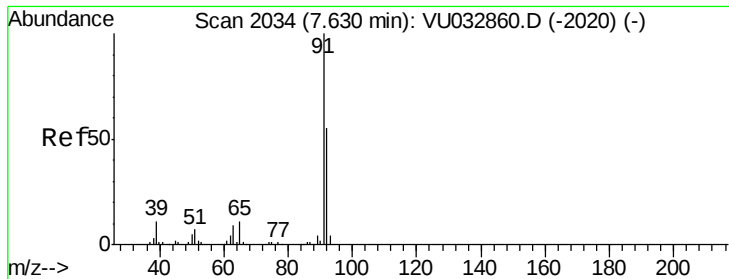
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 1.627 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampleId :

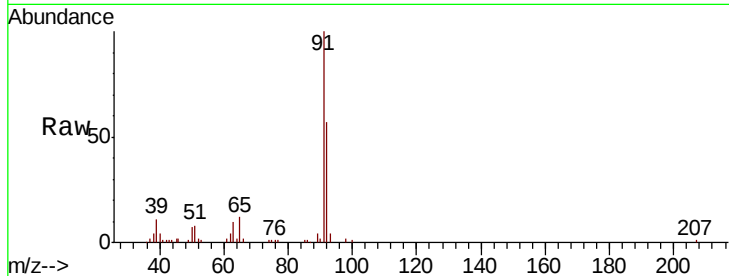
GALG1

Tgt Ion: 91 Resp: 58377

Ion Ratio Lower Upper

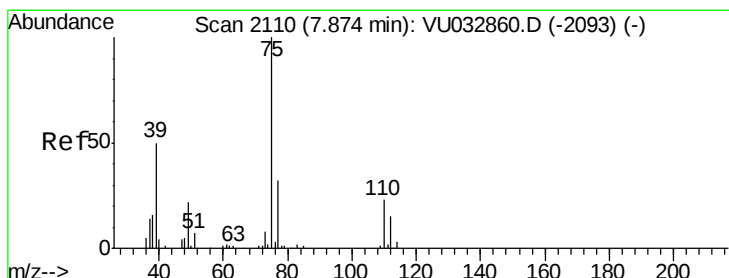
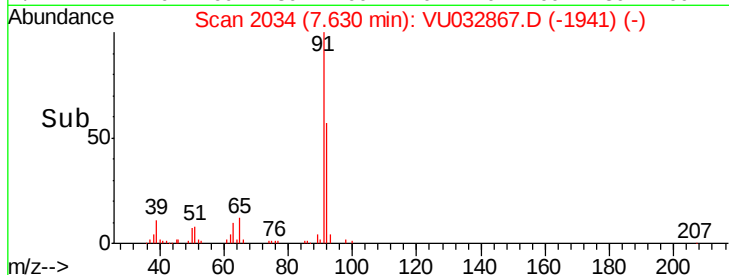
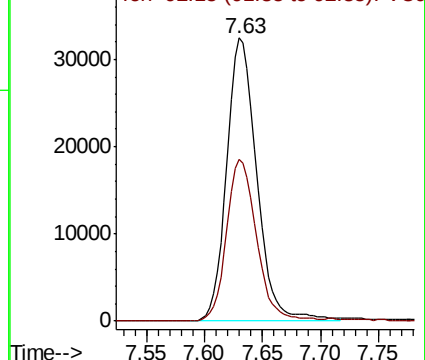
91 100

92 57.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032867.D

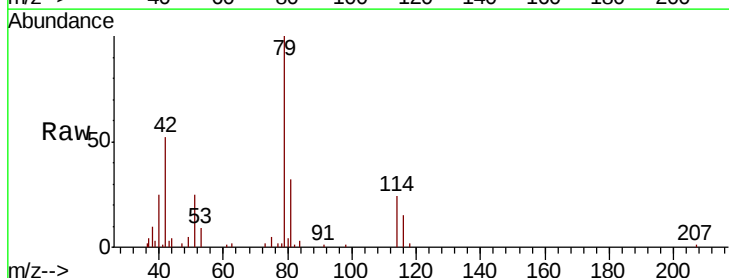
Acq: 19 Jun 2019 18:53

Tgt Ion: 75 Resp: 881

Ion Ratio Lower Upper

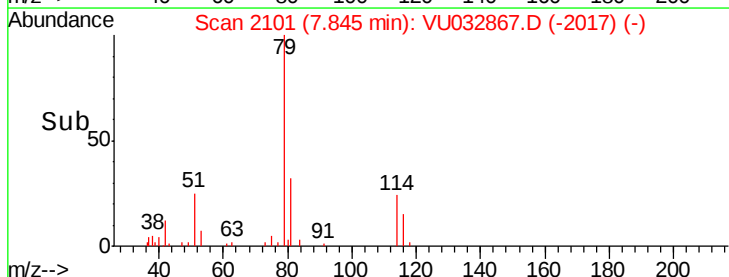
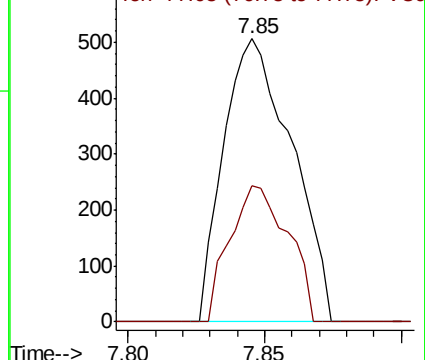
75 100

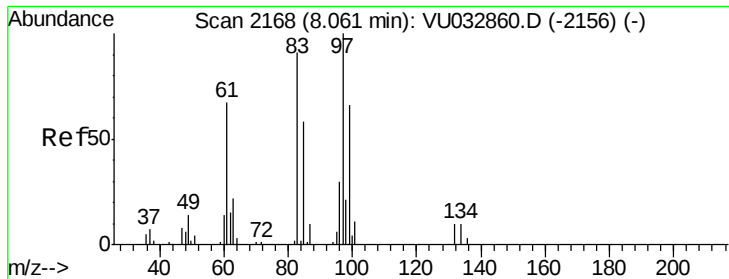
77 48.2 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.218 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.16 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampleId :

GALG1

Tgt Ion: 97 Resp: 1320

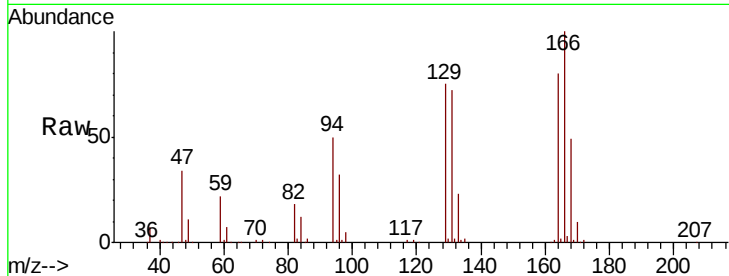
Ion Ratio Lower Upper

97 100

99 0.0 44.9 83.3#

83 192.2 58.7 108.9#

85 25.7 37.9 70.5#

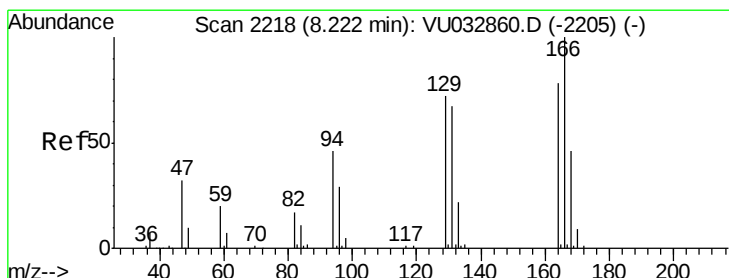
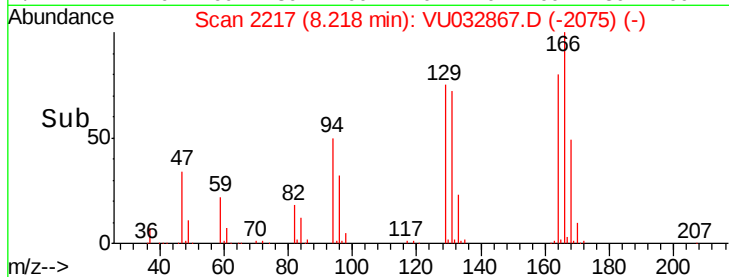
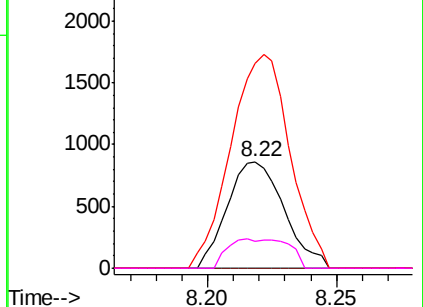


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 18.168 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Tgt Ion:164 Resp: 132354

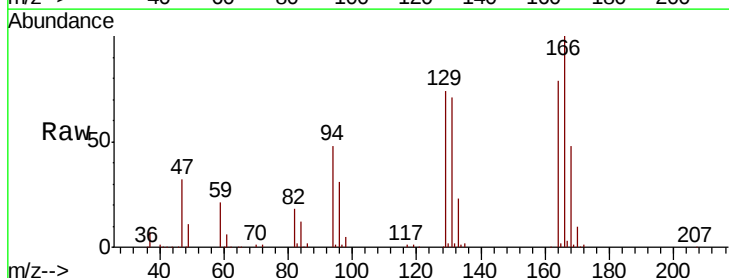
Ion Ratio Lower Upper

164 100

129 92.8 66.1 122.7

131 89.5 65.6 121.8

166 126.1 93.2 173.2

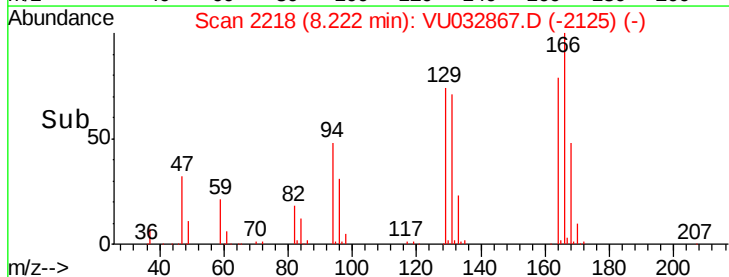
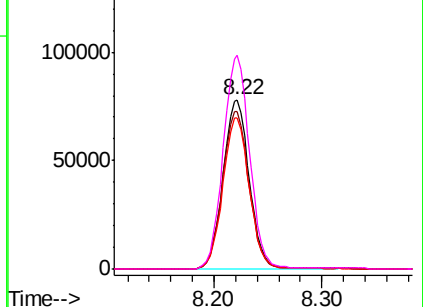


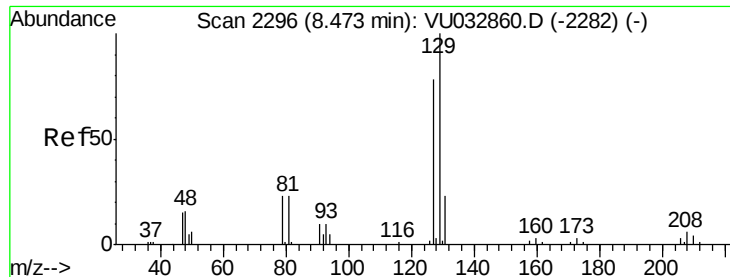
Abundance Ion 163.90 (163.60 to 164.60): V

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: 16.028 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampled :

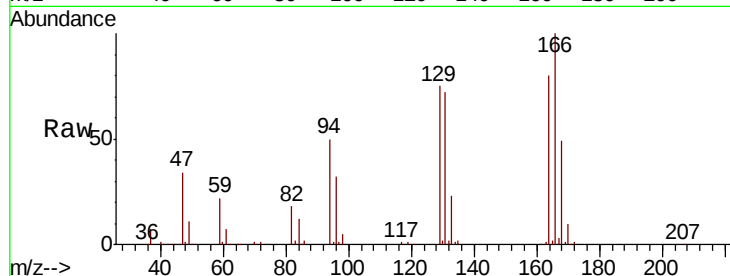
GALG1

Tgt Ion:129 Resp: 124200

Ion Ratio Lower Upper

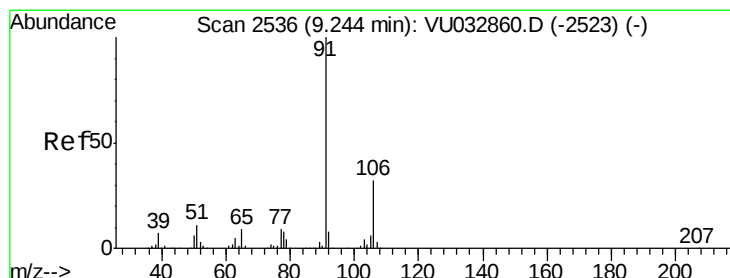
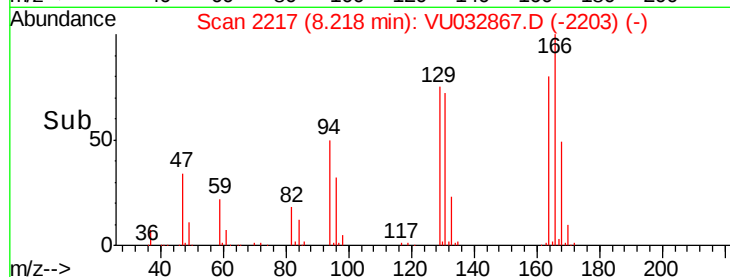
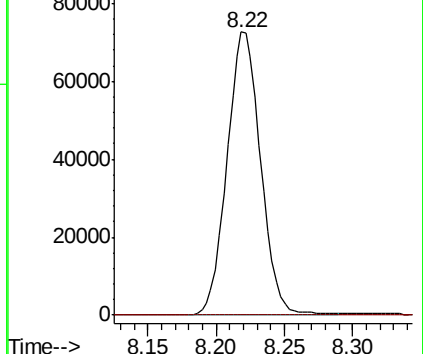
129 100

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: 0.289 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032867.D

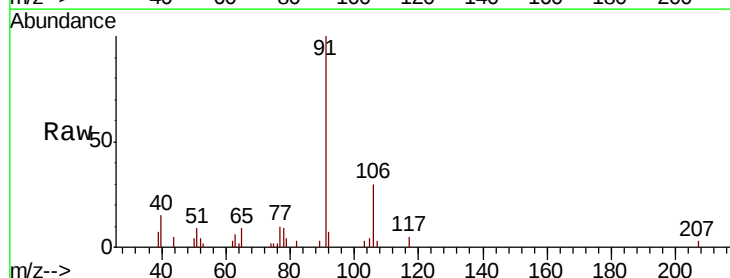
Acq: 19 Jun 2019 18:53

Tgt Ion: 91 Resp: 11418

Ion Ratio Lower Upper

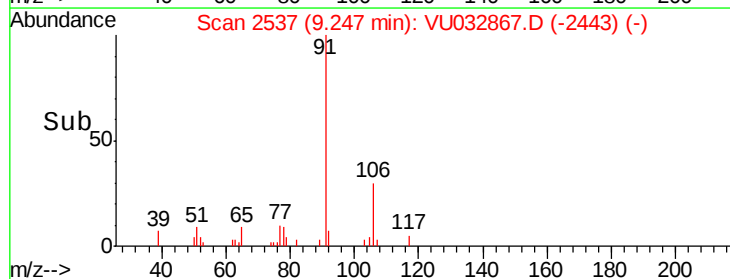
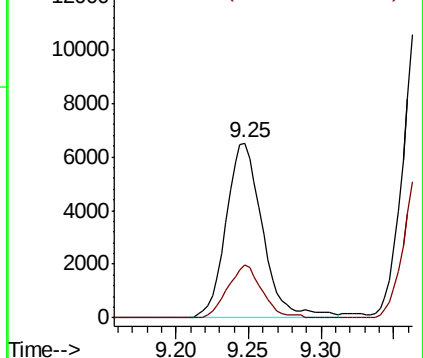
91 100

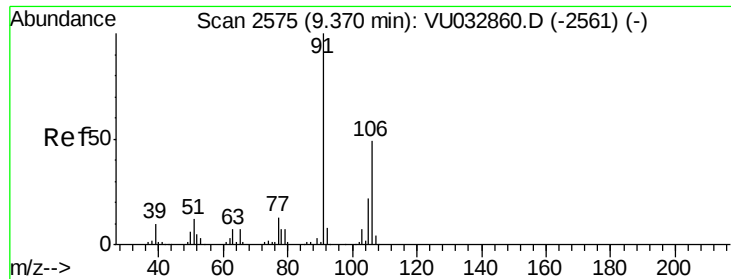
106 30.2 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.691 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampleId :

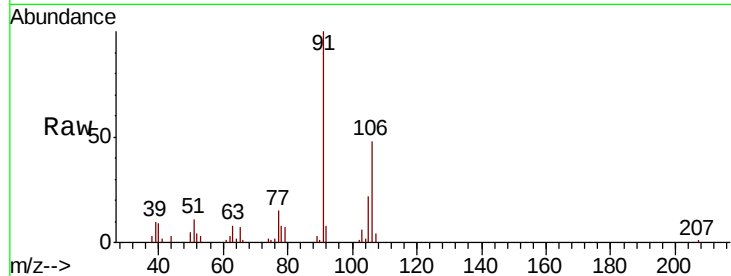
GALG1

Tgt Ion:106 Resp: 10358

Ion Ratio Lower Upper

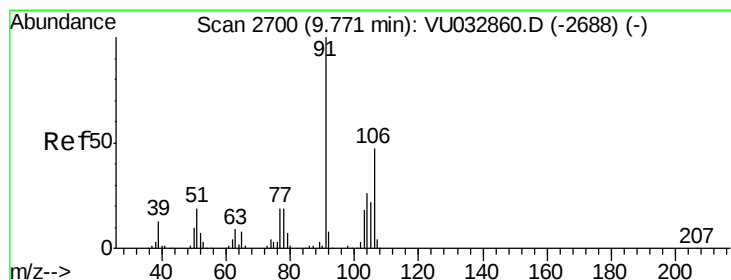
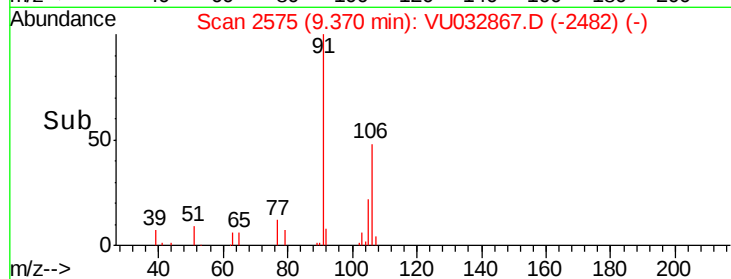
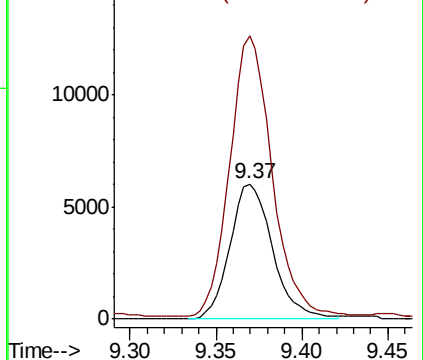
106 100

91 209.8 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.274 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032867.D

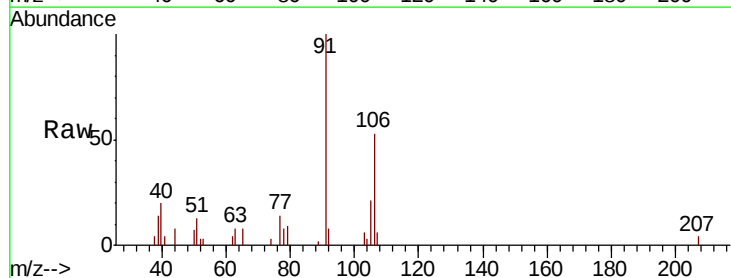
Acq: 19 Jun 2019 18:53

Tgt Ion:106 Resp: 4092

Ion Ratio Lower Upper

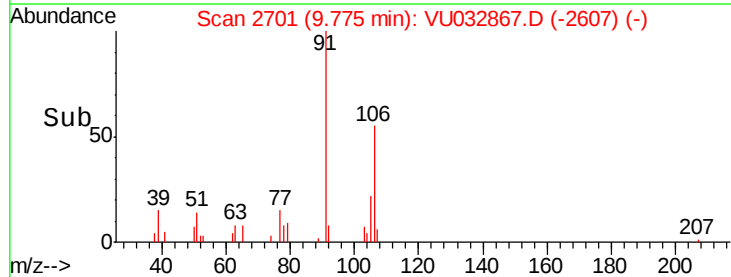
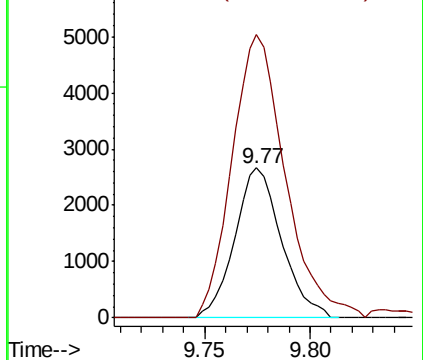
106 100

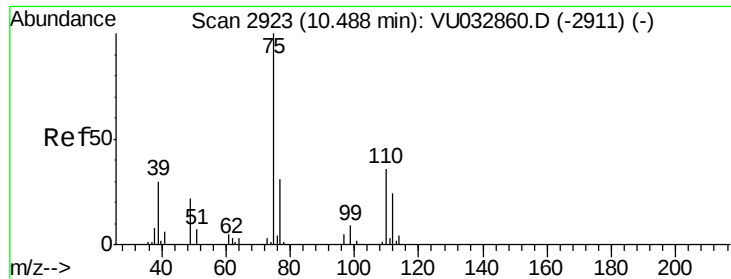
91 189.2 148.8 276.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.356 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032867.D

Acq: 19 Jun 2019 18:53

Instrument :

MSVOA_U

ClientSampleId :

GALG1

Tgt Ion: 75 Resp: 7417

Ion Ratio Lower Upper

75 100

77 38.5 25.3 37.9#

