

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032871.D
 Acq On : 19 Jun 2019 20:30
 Operator : JC/SP
 Sample : K3413-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALF3

Quant Time: Jun 20 07:28:52 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	102725	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	98660	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29590	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.68	69	25572	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.27	63	48828	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.19	46	112482	60.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.70%
24) Chloroform-d	4.64	84	65956	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.31	65	39370	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.00%
32) Benzene-d6	5.33	84	125531	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.32	67	40839	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.56	98	112733	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.85	79	16715	5.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.40%
46) 2-Hexanone-d5	8.31	63	82770	51.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	36383	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	49581	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Qvalue
13) Acetone	2.32	43	4890	3.380 ug/L	91
15) Methyl Acetate	2.62	43	622	0.157 ug/L #	53
17) Methyl tert-butyl Ether	3.00	73	59830	3.134 ug/L	96
21) 2-Butanone	4.39	43	25323	12.035 ug/L #	49
25) Chloroform	4.67	83	5504	0.427 ug/L	79
35) Methylcyclohexane	6.33	83	9859	0.733 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	5123	0.681 ug/L #	89
42) Toluene	7.63	91	19795	0.611 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	955	0.104 ug/L	89
47) Tetrachloroethene	8.22	164	6956	1.056 ug/L	98
48) 2-Hexanone	8.36	43	4993	1.305 ug/L #	88
49) Dibromochloromethane	8.22	129	6464	0.923 ug/L #	11
52) Ethylbenzene	9.25	91	4067	0.114 ug/L	93
53) m,p-Xylene	9.37	106	3755	0.277 ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	6417	1.298 ug/L #	86

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

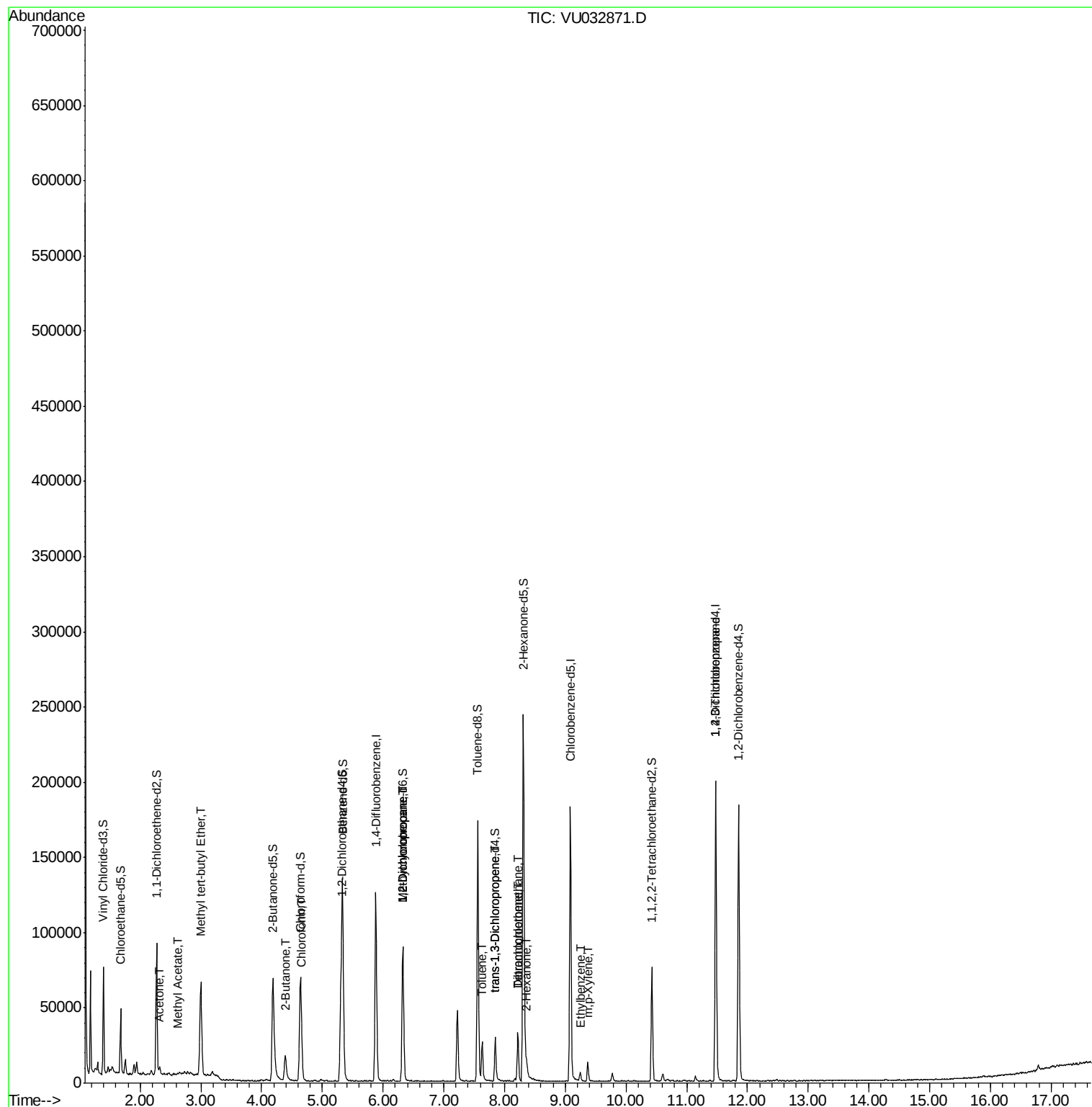
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

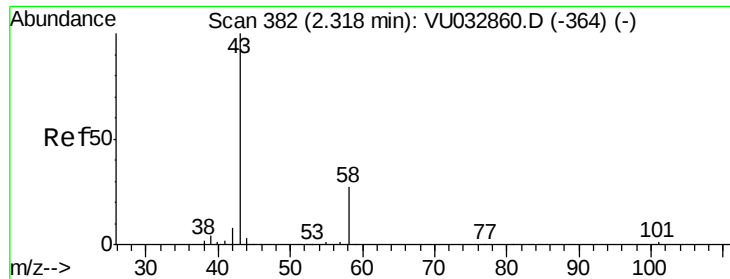
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#13

Acetone

Concen: 3.380 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

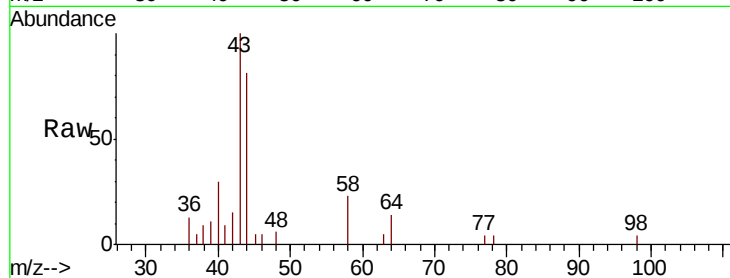
GALF3

Tgt Ion: 43 Resp: 4890

Ion Ratio Lower Upper

43 100

58 25.5 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

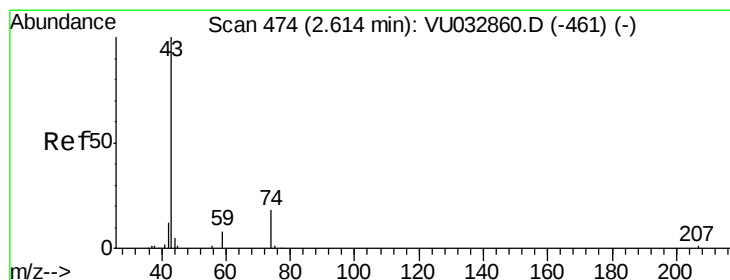
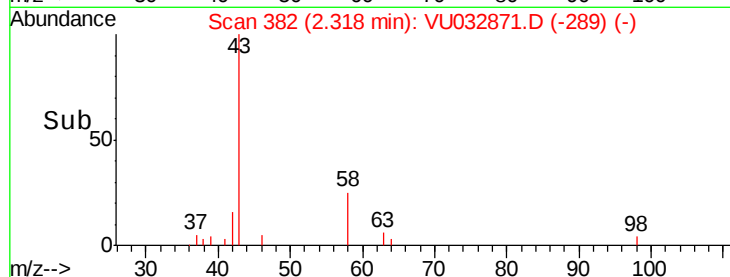
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#15

Methyl Acetate

Concen: 0.157 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU032871.D

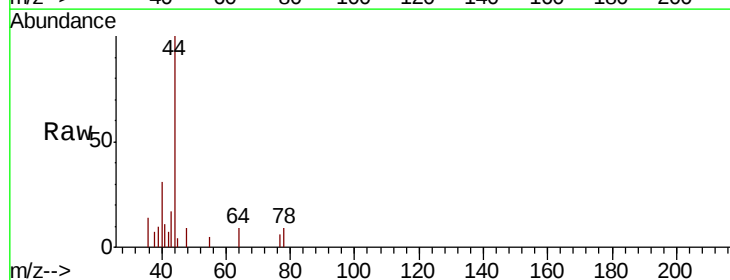
Acq: 19 Jun 2019 20:30

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU032860.D (-461) (-)

500

400

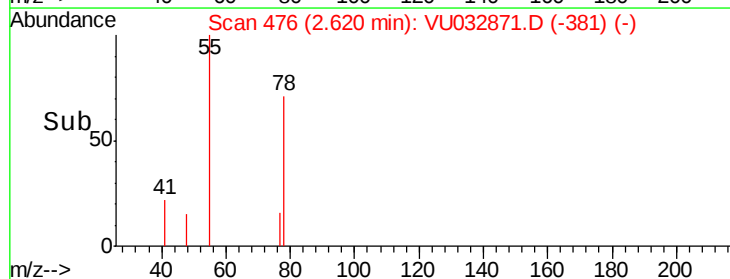
300

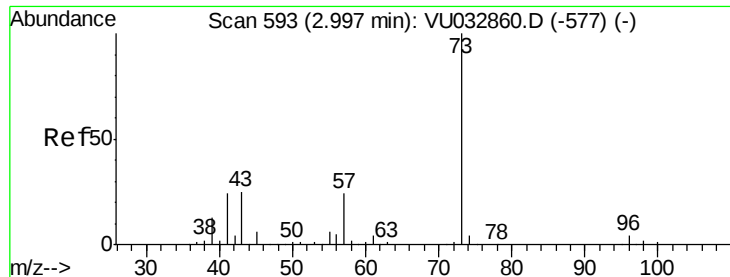
200

100

0

Time--> 2.60 2.65

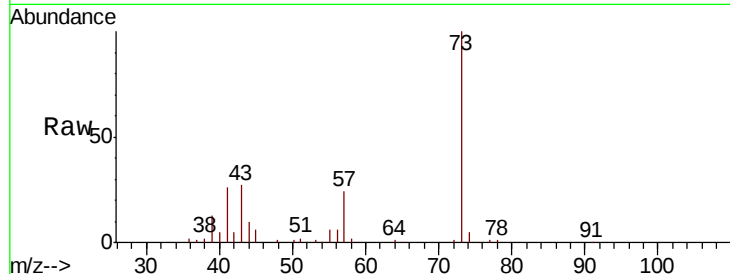




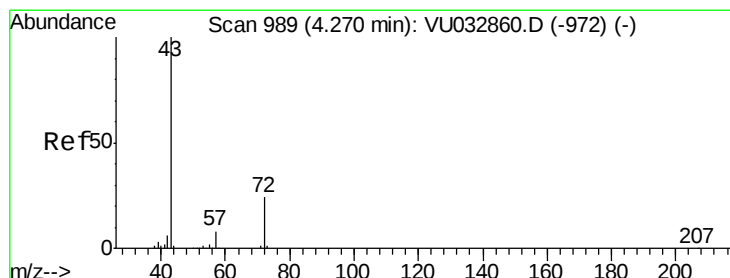
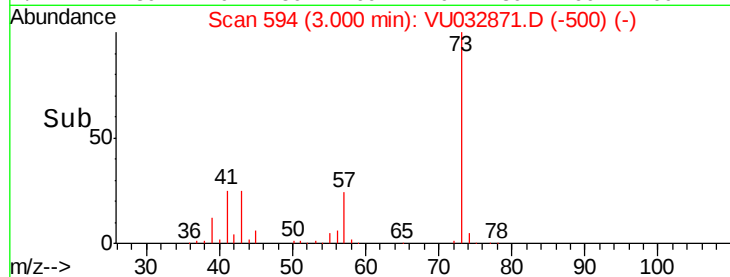
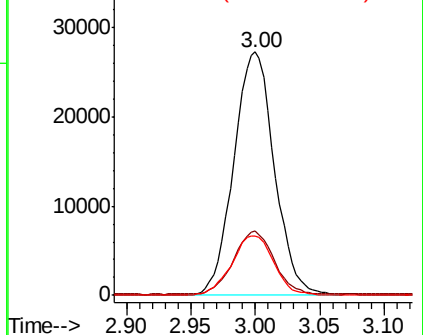
#17
Methyl tert-butyl Ether
Concen: 3.134 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032871.D
Acq: 19 Jun 2019 20:30

Instrument :
MSVOA_U
ClientSampleId :
GALF3

Tgt Ion: 73 Resp: 59830
Ion Ratio Lower Upper
73 100
43 25.0 18.6 27.8
57 25.4 18.3 27.5

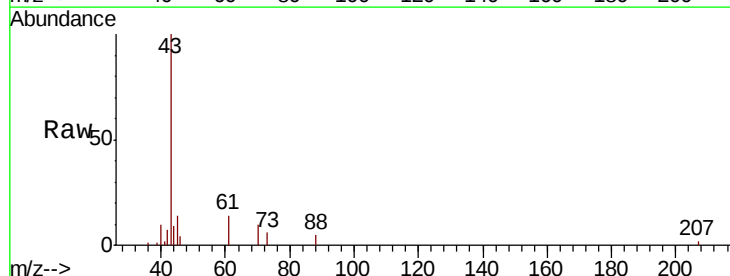


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

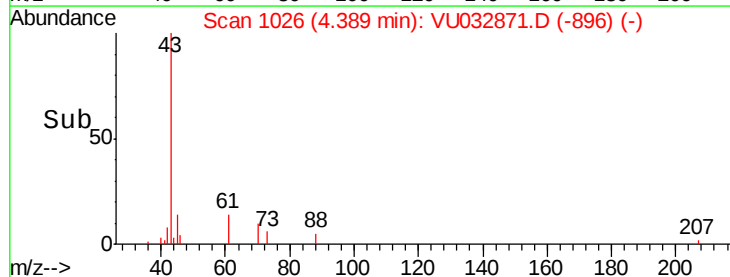
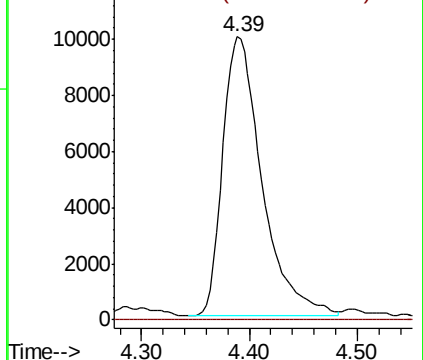


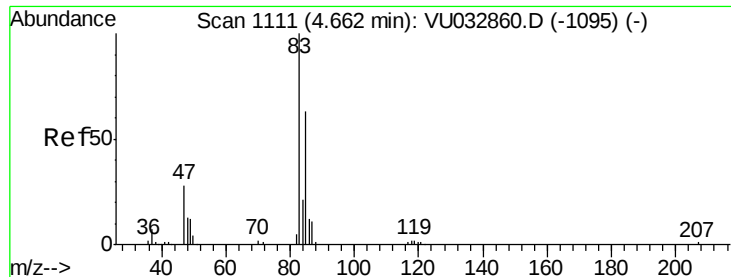
#21
2-Butanone
Concen: 12.035 ug/L
RT: 4.39 min Scan# 1026
Delta R.T. 0.12 min
Lab File: VU032871.D
Acq: 19 Jun 2019 20:30

Tgt Ion: 43 Resp: 25323
Ion Ratio Lower Upper
43 100
72 0.0 13.1 39.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#25

Chloroform

Concen: 0.427 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

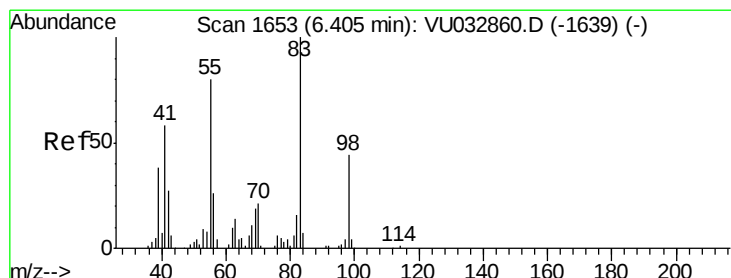
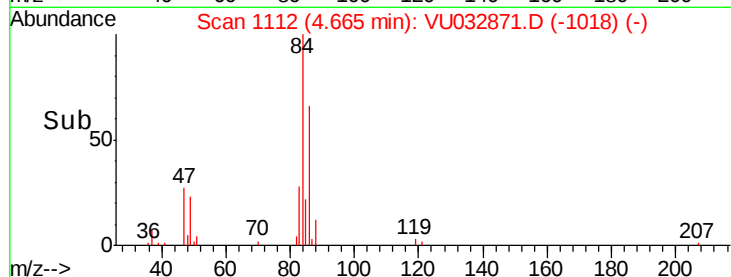
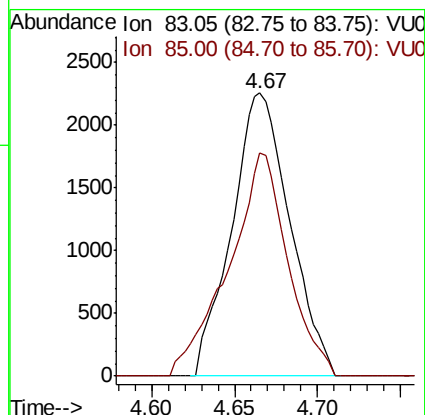
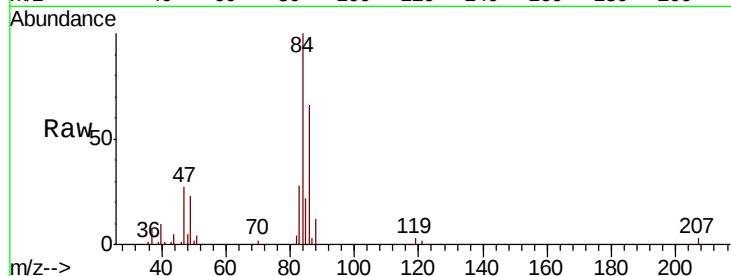
GALF3

Tgt Ion: 83 Resp: 5504

Ion Ratio Lower Upper

83 100

85 79.1 43.8 81.3



#35

Methylcyclohexane

Concen: 0.733 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

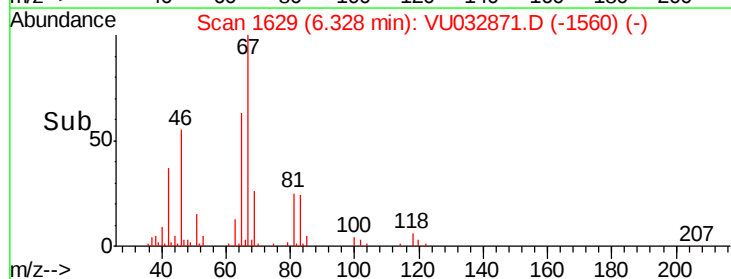
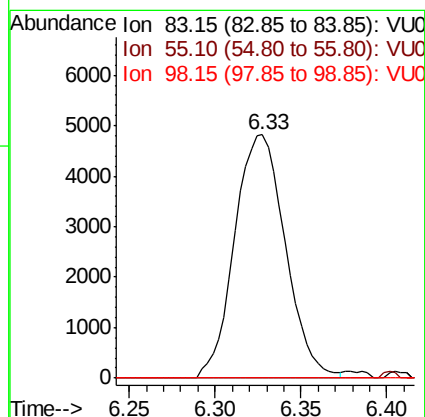
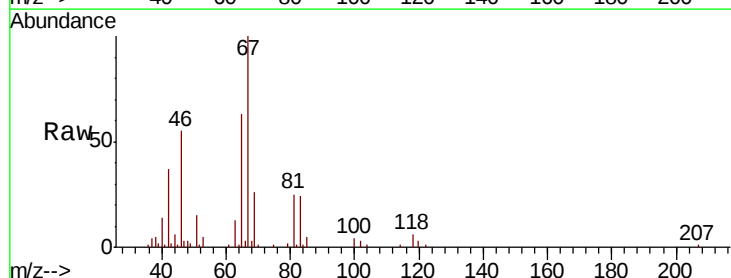
Tgt Ion: 83 Resp: 9859

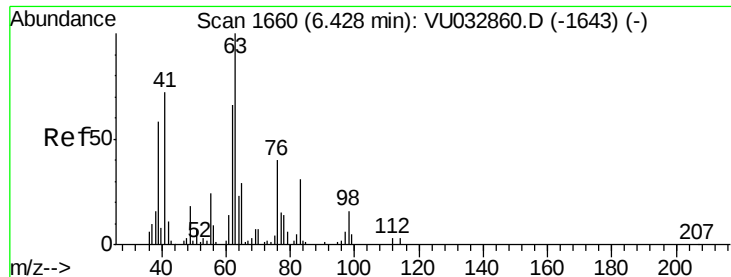
Ion Ratio Lower Upper

83 100

55 0.7 60.0 90.0#

98 1.4 37.8 56.8#





#37

1,2-Dichloropropane

Concen: 0.681 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

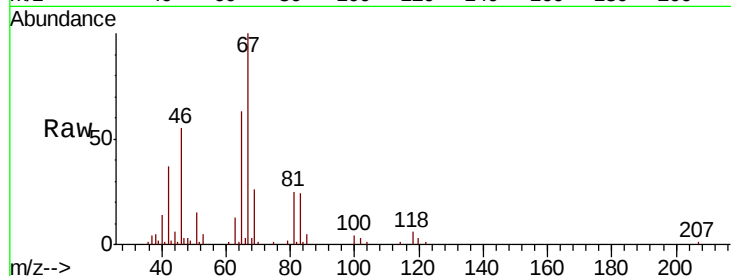
GALF3

Tgt Ion: 63 Resp: 5123

Ion Ratio Lower Upper

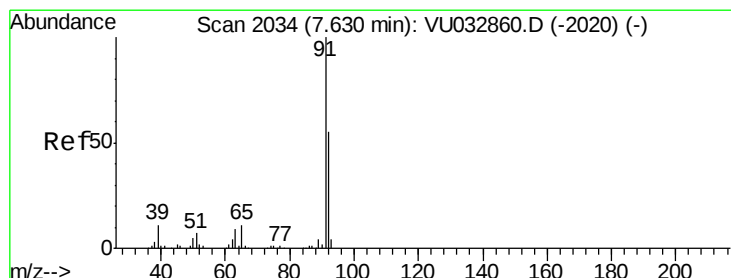
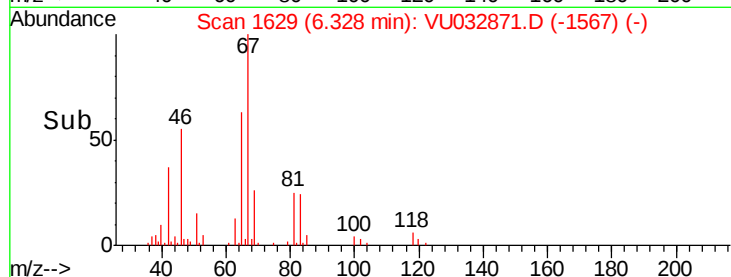
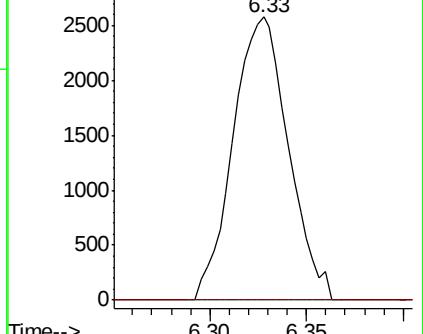
63 100

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) (-)



#42

Toluene

Concen: 0.611 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032871.D

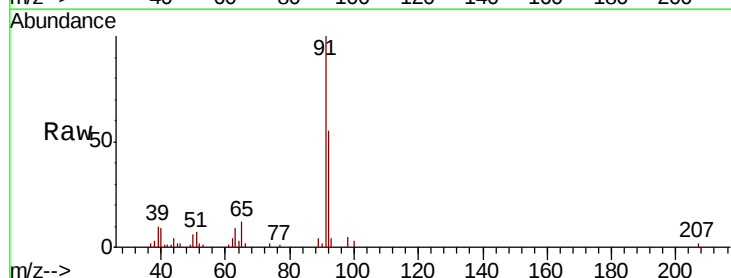
Acq: 19 Jun 2019 20:30

Tgt Ion: 91 Resp: 19795

Ion Ratio Lower Upper

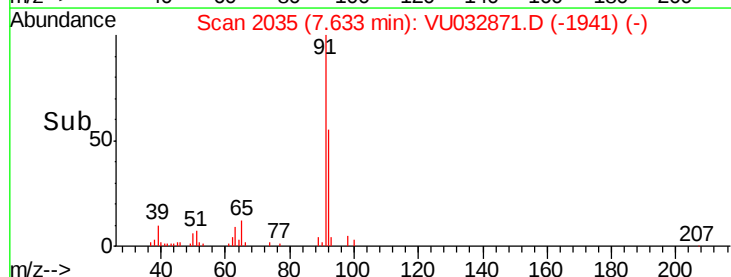
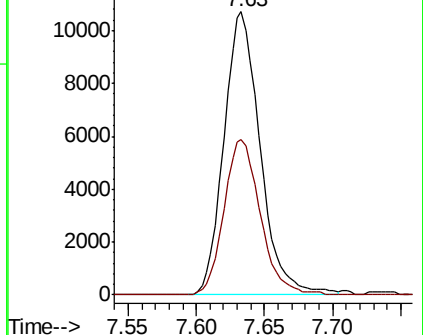
91 100

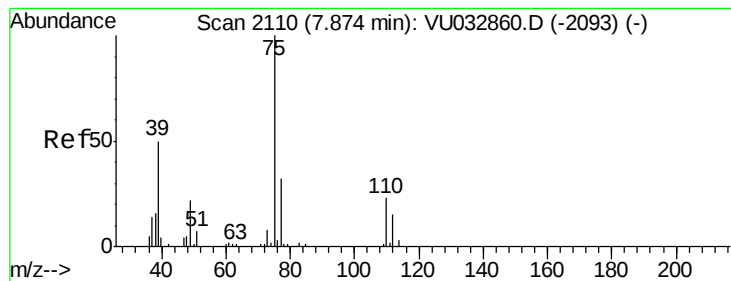
92 55.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032860.D (-2020) (-)

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





#44

trans-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

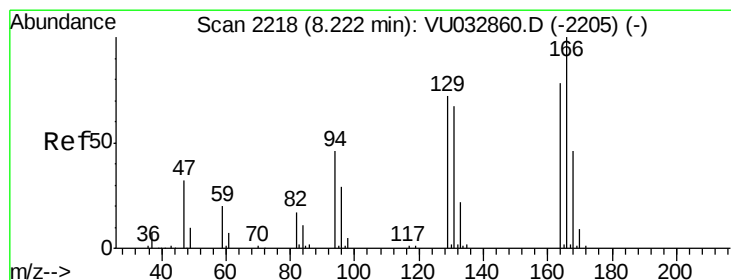
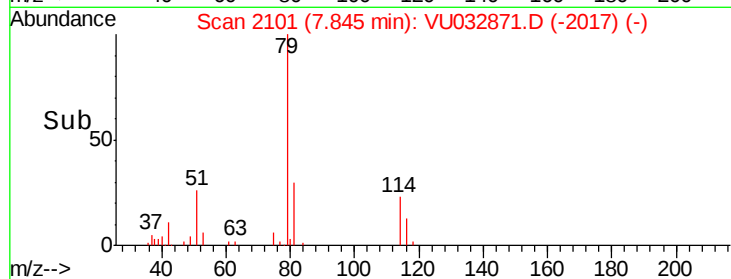
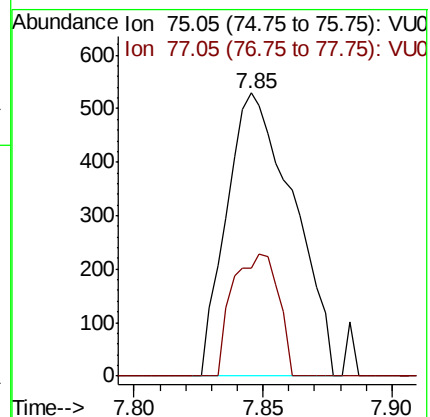
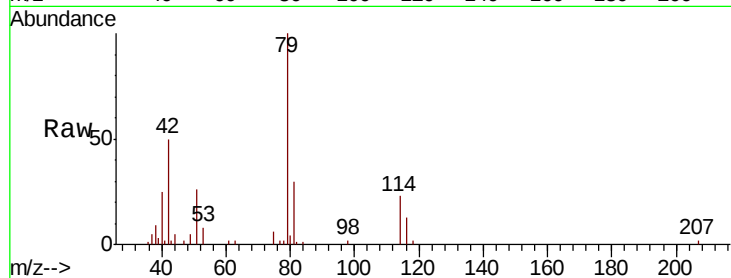
GALF3

Tgt Ion: 75 Resp: 955

Ion Ratio Lower Upper

75 100

77 38.4 22.5 41.7



#47

Tetrachloroethene

Concen: 1.056 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Tgt Ion: 164 Resp: 6956

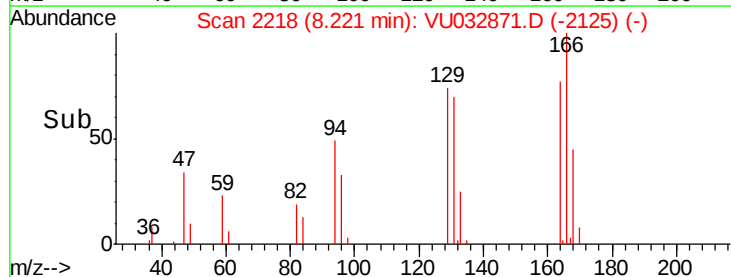
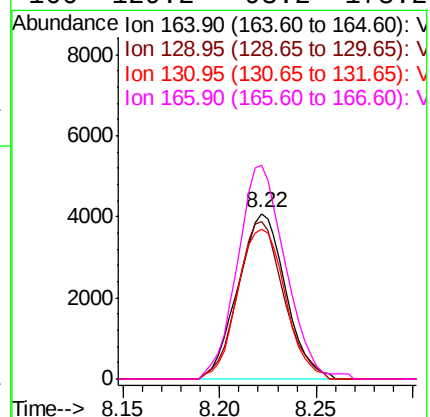
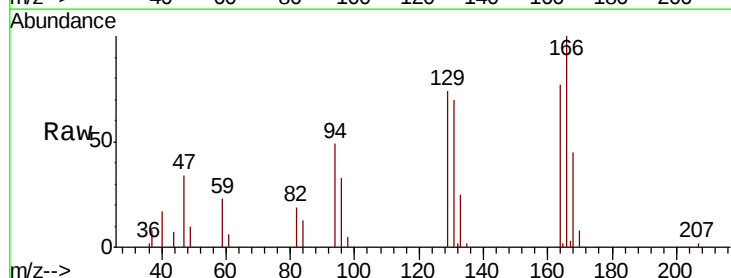
Ion Ratio Lower Upper

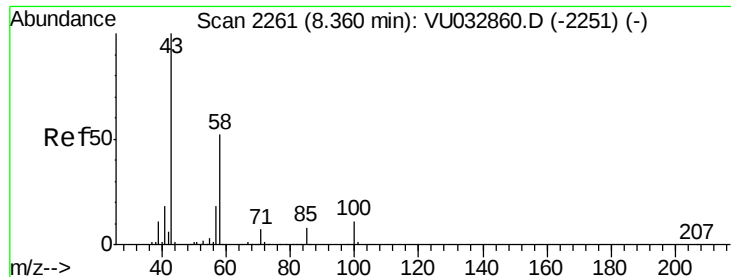
164 100

129 95.2 66.1 122.7

131 90.9 65.6 121.8

166 129.2 93.2 173.2

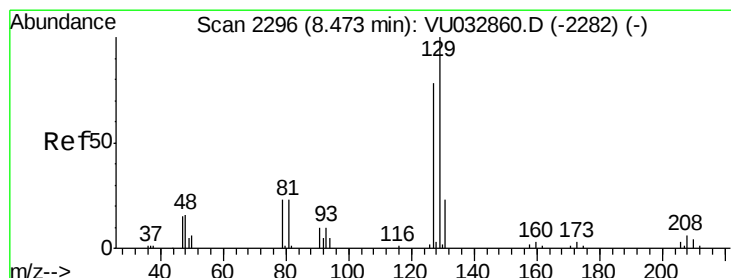
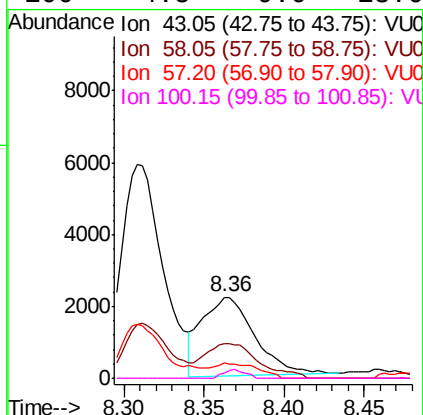
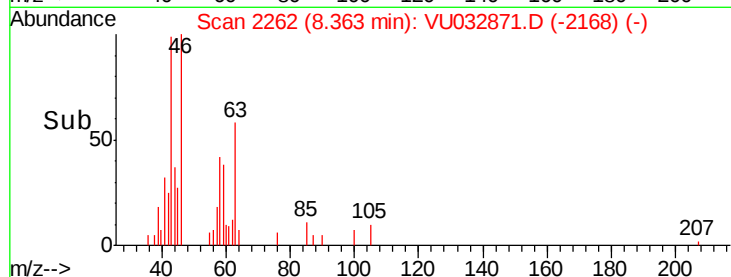
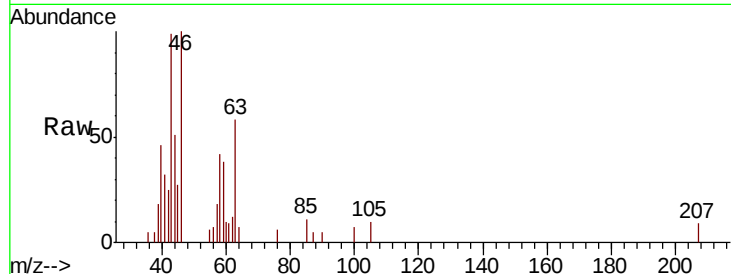




#48
2-Hexanone
Concen: 1.305 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032871.D
Acq: 19 Jun 2019 20:30

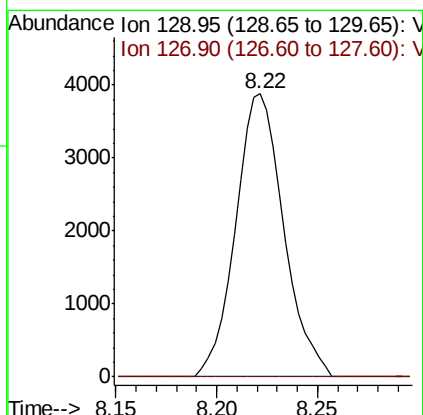
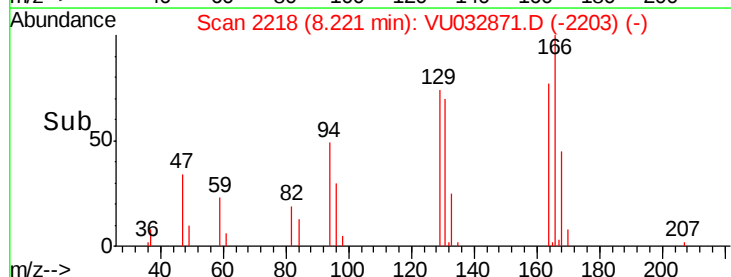
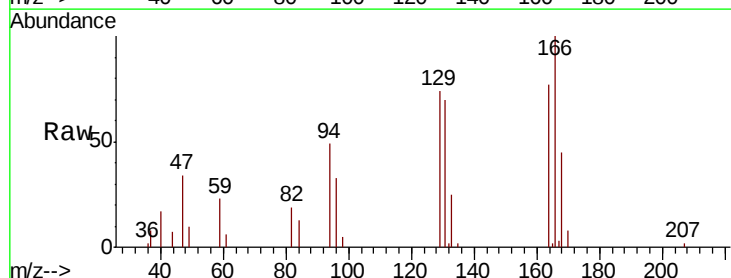
Instrument :
MSVOA_U
ClientSampleId :
GALF3

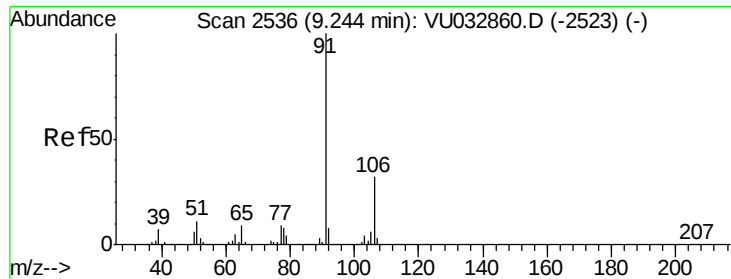
Tgt Ion: 43 Resp: 4993
Ion Ratio Lower Upper
43 100
58 44.1 41.9 62.9
57 15.1 15.1 22.7#
100 4.5 9.0 13.6#



#49
Dibromochloromethane
Concen: 0.923 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032871.D
Acq: 19 Jun 2019 20:30

Tgt Ion: 129 Resp: 6464
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#





#52

Ethylbenzene

Concen: 0.114 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

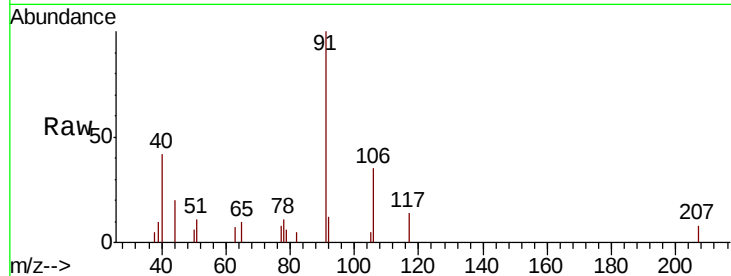
GALF3

Tgt Ion: 91 Resp: 4067

Ion Ratio Lower Upper

91 100

106 35.1 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032860.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU032860.D (-2523) (-)

9.25

2500

2000

1500

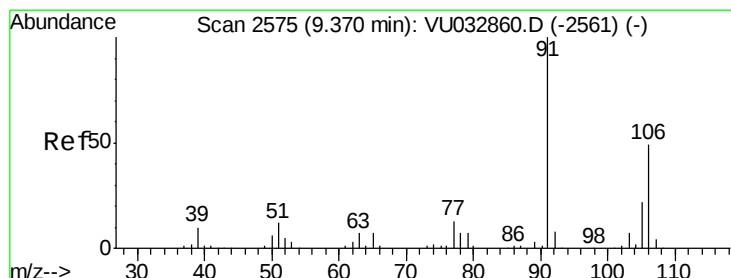
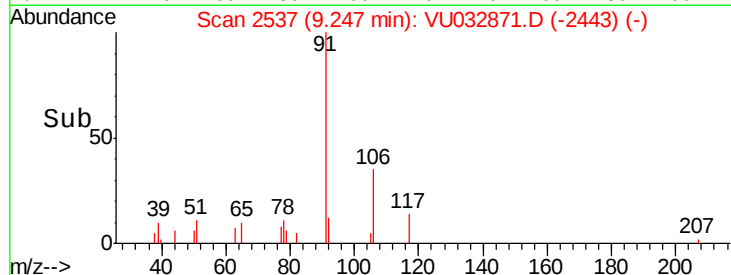
1000

500

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.277 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032871.D

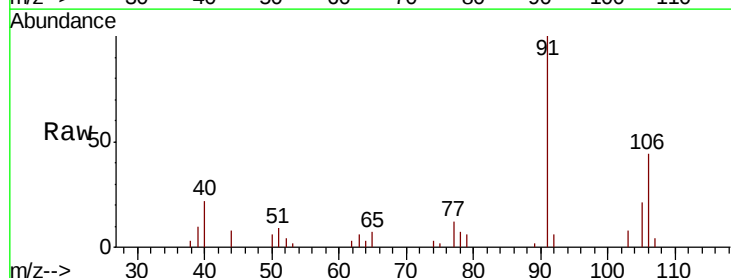
Acq: 19 Jun 2019 20:30

Tgt Ion: 106 Resp: 3755

Ion Ratio Lower Upper

106 100

91 227.4 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032860.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU032860.D (-2561) (-)

9.37

5000

4000

3000

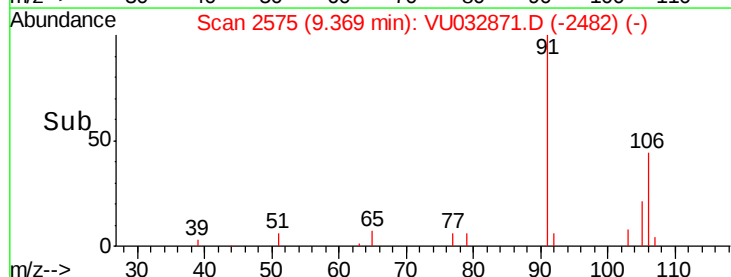
2000

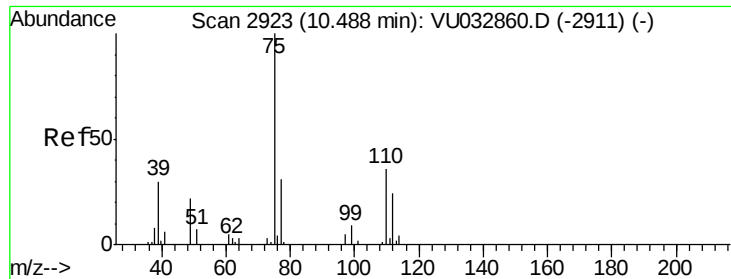
1000

0

9.35 9.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.298 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032871.D

Acq: 19 Jun 2019 20:30

Instrument :

MSVOA_U

ClientSampleId :

GALF3

Tgt Ion: 75 Resp: 6417

Ion Ratio Lower Upper

75 100

77 39.1 25.3 37.9#

