

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032872.D
 Acq On : 19 Jun 2019 20:54
 Operator : JC/SP
 Sample : K3413-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALF4

Quant Time: Jun 20 07:29:01 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	98690	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	95916	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50124	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28845	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.68	69	25113	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	48344	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.19	46	107783	60.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.38%
24) Chloroform-d	4.64	84	63109	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.30	65	38479	6.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.20%
32) Benzene-d6	5.33	84	125506	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.32	67	39954	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.56	98	112521	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.85	79	15766	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.31	63	79474	50.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34523	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	48257	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

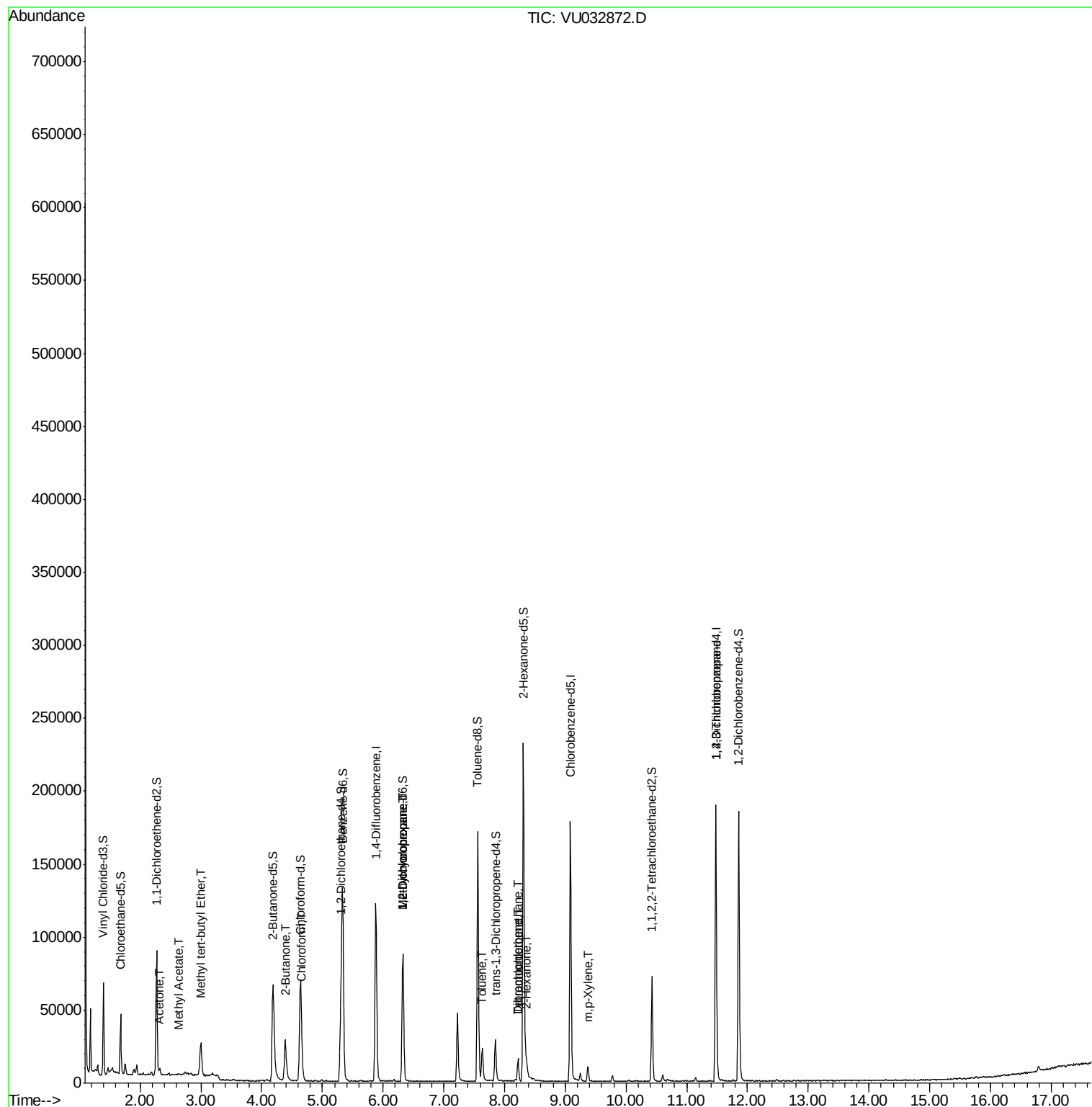
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	4035	2.903	ug/L	88
15) Methyl Acetate	2.62	43	559	0.147	ug/L #	53
17) Methyl tert-butyl Ether	3.00	73	20221	1.103	ug/L	92
21) 2-Butanone	4.39	43	41839	20.698	ug/L #	49
25) Chloroform	4.67	83	7463	0.603	ug/L	89
35) Methylcyclohexane	6.32	83	9142	0.699	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	4633	0.633	ug/L #	89
42) Toluene	7.63	91	16381	0.520	ug/L	100
47) Tetrachloroethene	8.22	164	3445	0.538	ug/L	92
48) 2-Hexanone	8.36	43	4849	1.303	ug/L #	89
49) Dibromochloromethane	8.22	129	2911	0.428	ug/L #	11
53) m,p-Xylene	9.37	106	2980	0.226	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	6336	1.319	ug/L	90

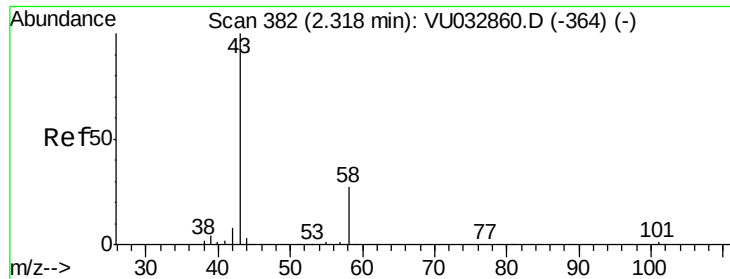
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.903 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU032872.D

Acq: 19 Jun 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

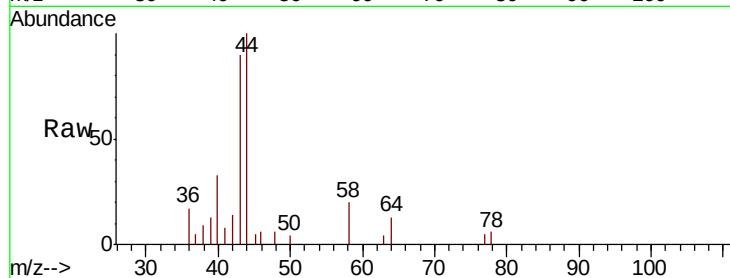
GALF4

Tgt Ion: 43 Resp: 4035

Ion Ratio Lower Upper

43 100

58 24.0 0.0 60.8



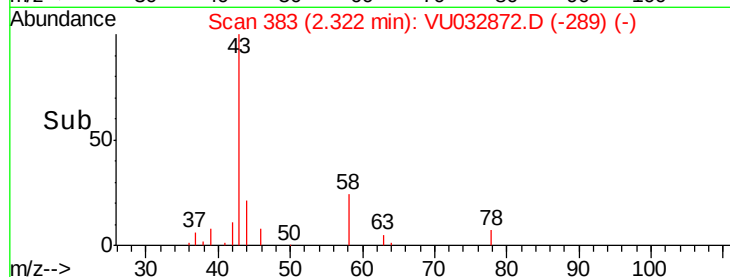
Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-364) (-)

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

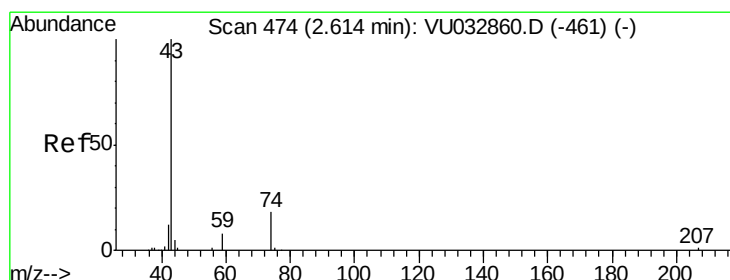
2.32

2.30

2.35



Time-->



#15

Methyl Acetate

Concen: 0.147 ug/L

RT: 2.62 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU032872.D

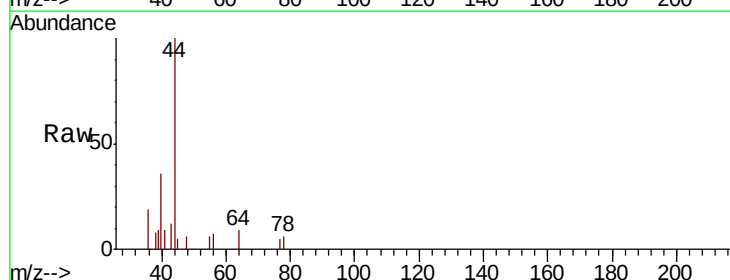
Acq: 19 Jun 2019 20:54

Tgt Ion: 43 Resp: 559

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



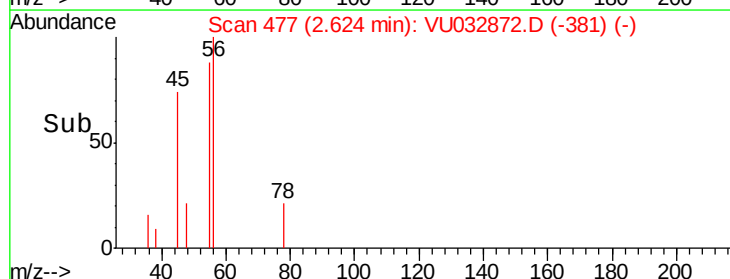
Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-461) (-)

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

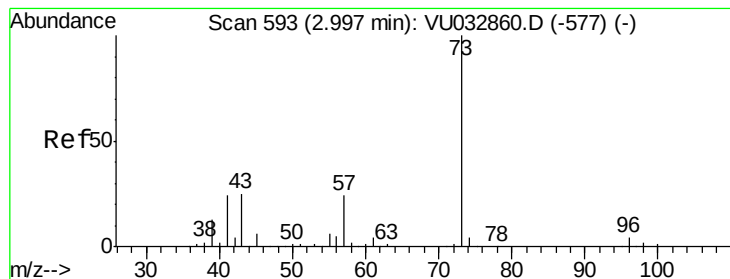
2.62

2.60

2.65



Time-->



#17

Methyl tert-butyl Ether

Concen: 1.103 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU032872.D

Acq: 19 Jun 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

GALF4

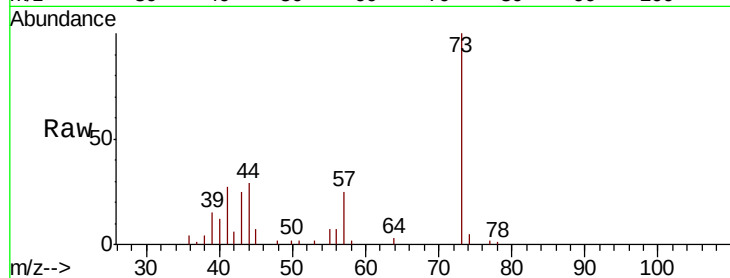
Tgt Ion: 73 Resp: 20221

Ion Ratio Lower Upper

73 100

43 26.5 18.6 27.8

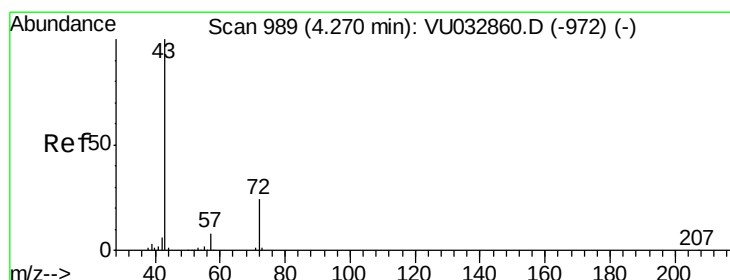
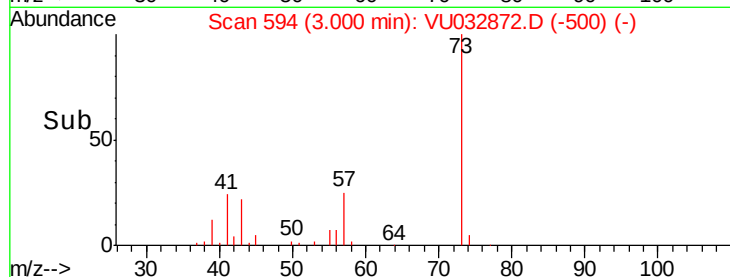
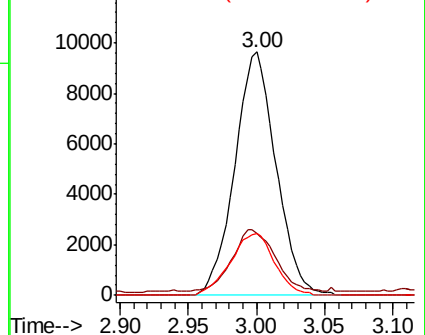
57 27.3 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032860.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032860.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032860.D (-577) (-)



#21

2-Butanone

Concen: 20.698 ug/L

RT: 4.39 min Scan# 1025

Delta R.T. 0.12 min

Lab File: VU032872.D

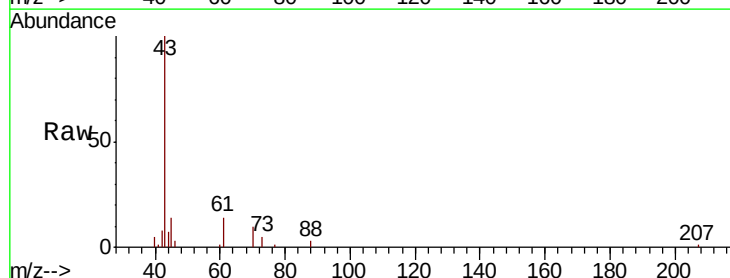
Acq: 19 Jun 2019 20:54

Tgt Ion: 43 Resp: 41839

Ion Ratio Lower Upper

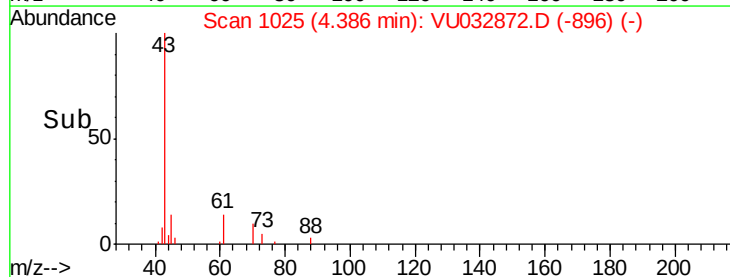
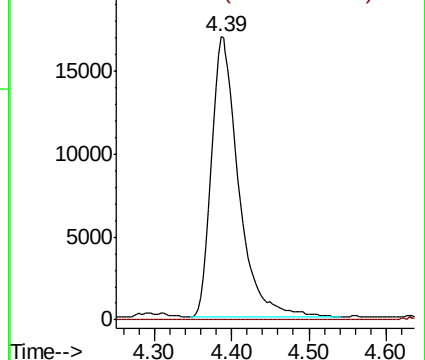
43 100

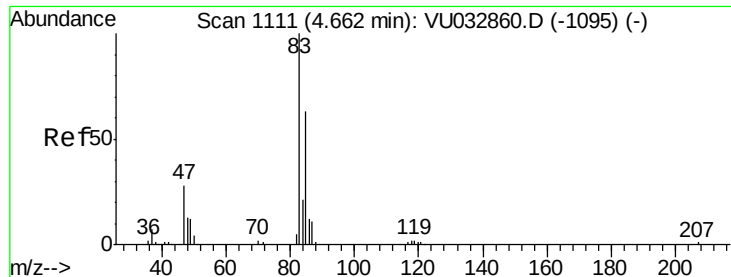
72 0.0 13.1 39.3#



Abundance Ion 43.05 (42.75 to 43.75): VU032860.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU032860.D (-972) (-)

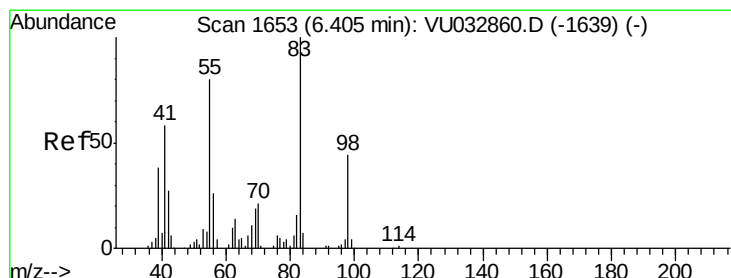
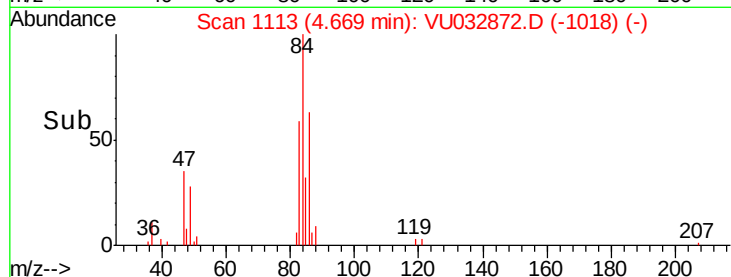
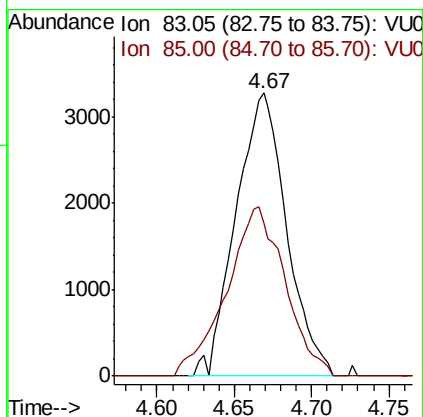
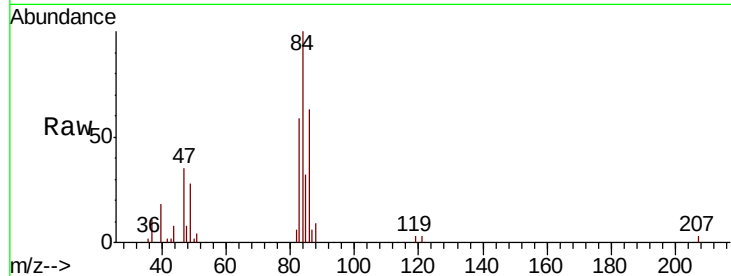




#25
Chloroform
Concen: 0.603 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VU032872.D
Acq: 19 Jun 2019 20:54

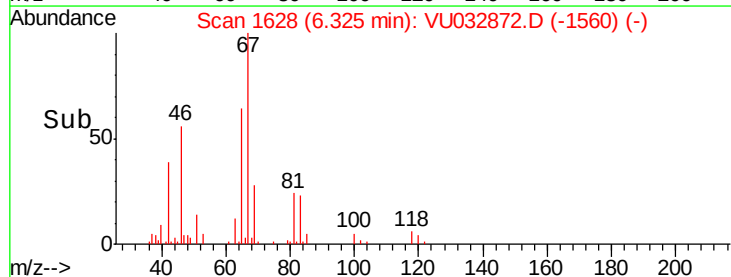
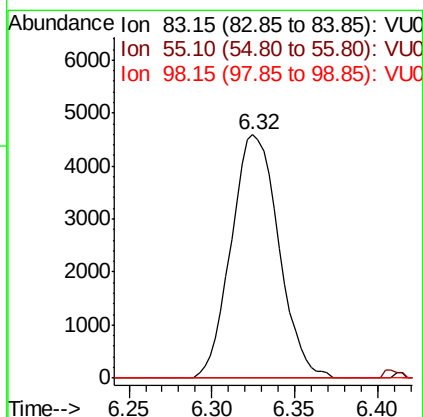
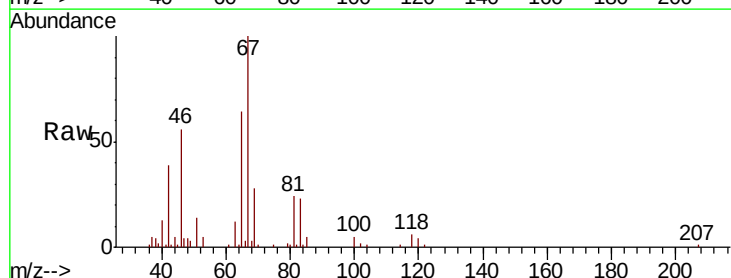
Instrument :
MSVOA_U
ClientSampled :
GALF4

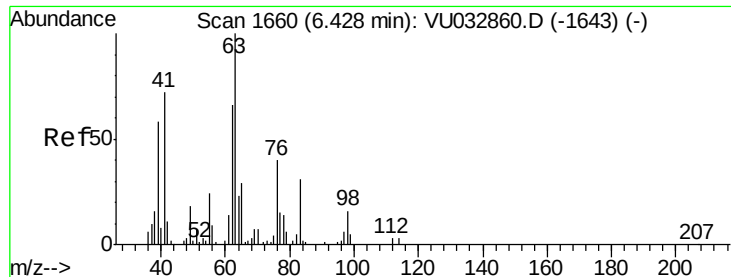
Tgt Ion: 83 Resp: 7463
Ion Ratio Lower Upper
83 100
85 53.8 43.8 81.3



#35
Methylcyclohexane
Concen: 0.699 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032872.D
Acq: 19 Jun 2019 20:54

Tgt Ion: 83 Resp: 9142
Ion Ratio Lower Upper
83 100
55 1.1 60.0 90.0#
98 0.7 37.8 56.8#

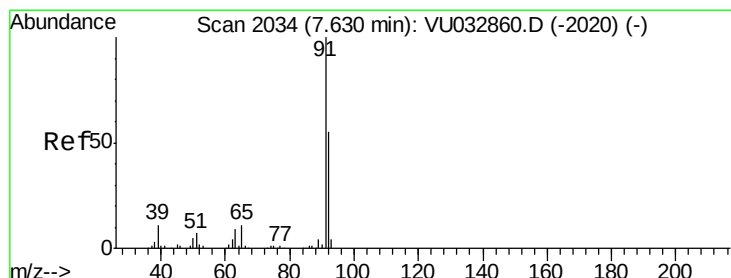
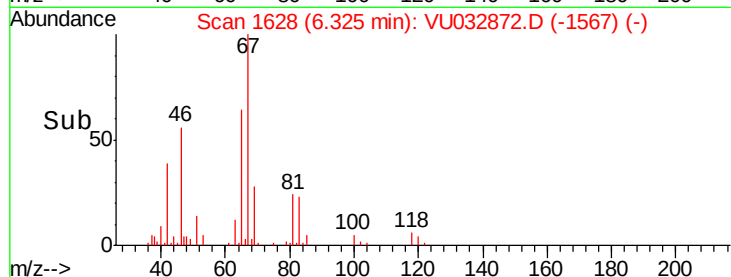
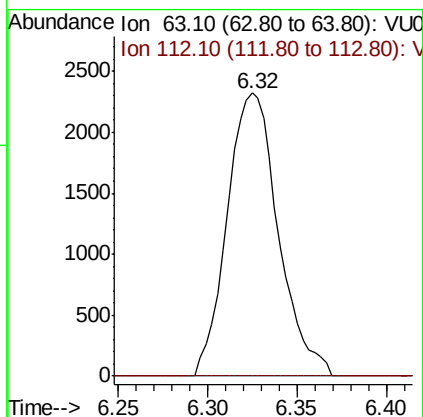
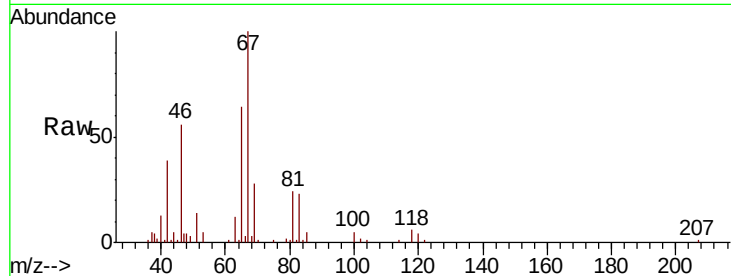




#37
 1,2-Dichloropropane
 Concen: 0.633 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032872.D
 Acq: 19 Jun 2019 20:54

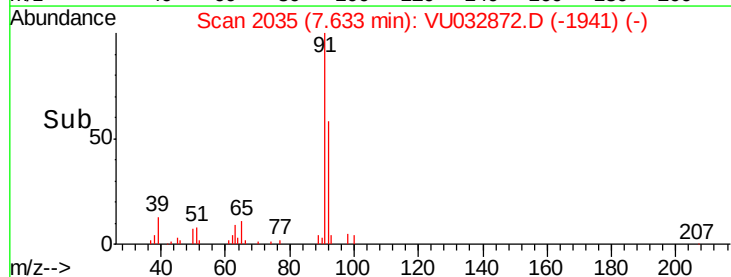
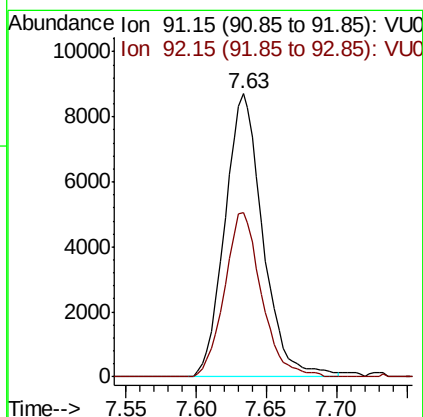
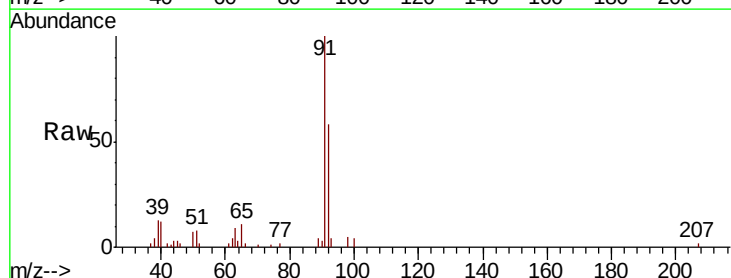
Instrument :
 MSVOA_U
 ClientSampleId :
 GALF4

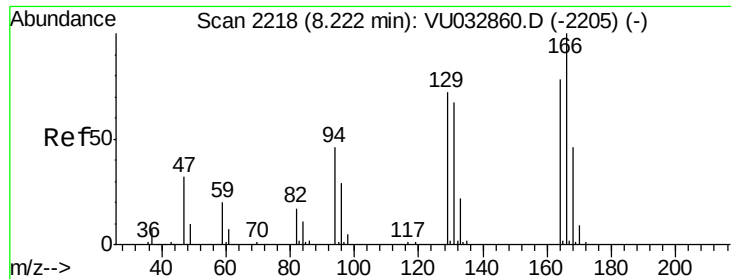
Tgt Ion: 63 Resp: 4633
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#42
 Toluene
 Concen: 0.520 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032872.D
 Acq: 19 Jun 2019 20:54

Tgt Ion: 91 Resp: 16381
 Ion Ratio Lower Upper
 91 100
 92 58.1 40.9 75.9

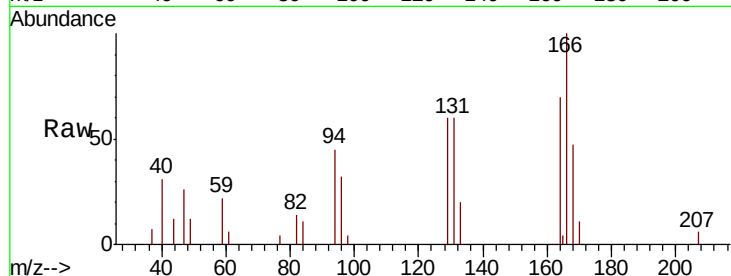




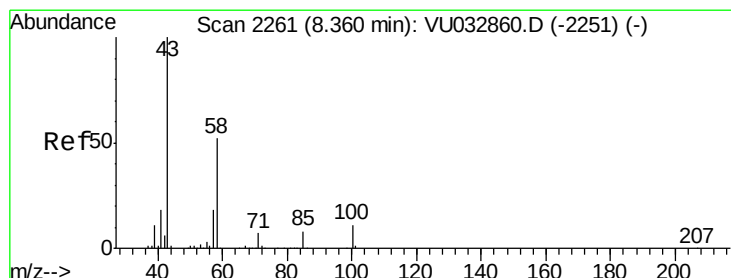
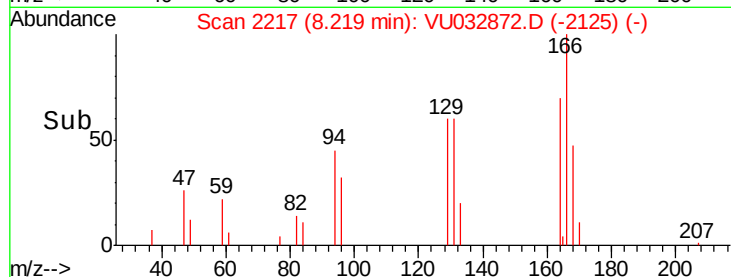
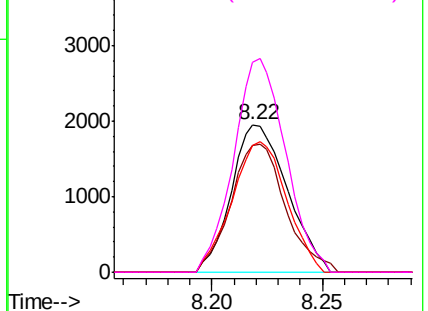
#47
Tetrachloroethene
Concen: 0.538 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.00 min
Lab File: VU032872.D
Acq: 19 Jun 2019 20:54

Instrument :
MSVOA_U
ClientSampled :
GALF4

Tgt Ion:164 Resp: 3445
Ion Ratio Lower Upper
164 100
129 85.4 66.1 122.7
131 85.6 65.6 121.8
166 141.9 93.2 173.2

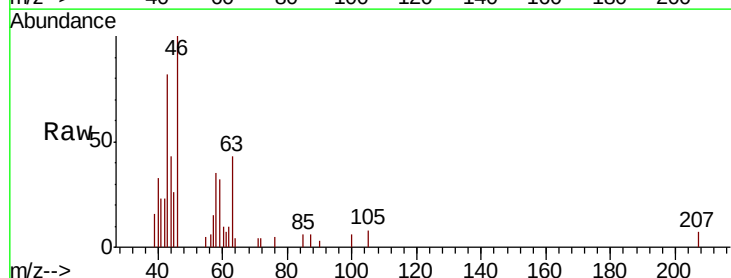


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

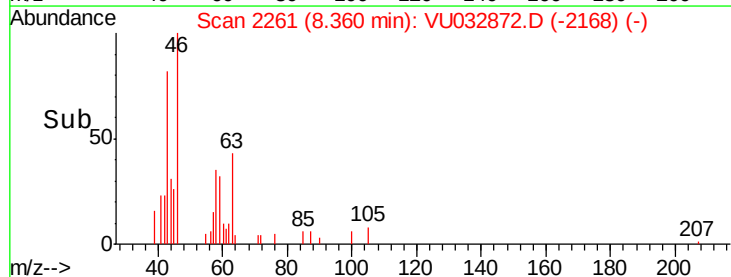
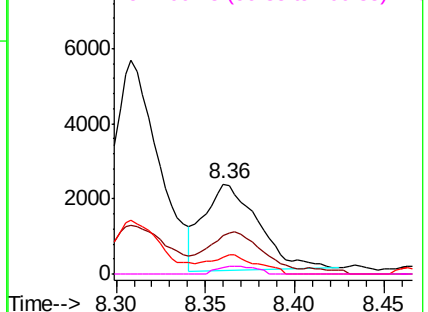


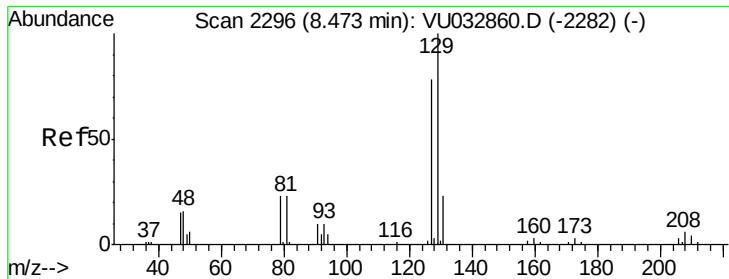
#48
2-Hexanone
Concen: 1.303 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032872.D
Acq: 19 Jun 2019 20:54

Tgt Ion: 43 Resp: 4849
Ion Ratio Lower Upper
43 100
58 41.6 41.9 62.9#
57 19.0 15.1 22.7
100 6.5 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.428 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032872.D

Acq: 19 Jun 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

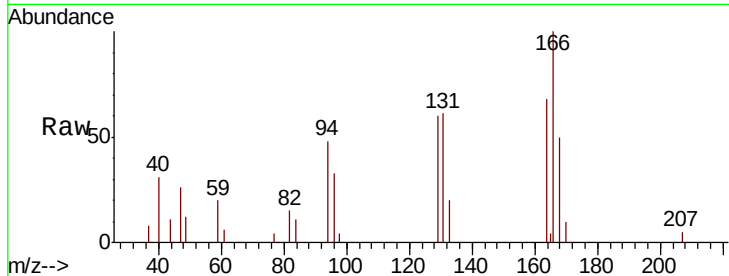
GALF4

Tgt Ion:129 Resp: 2911

Ion Ratio Lower Upper

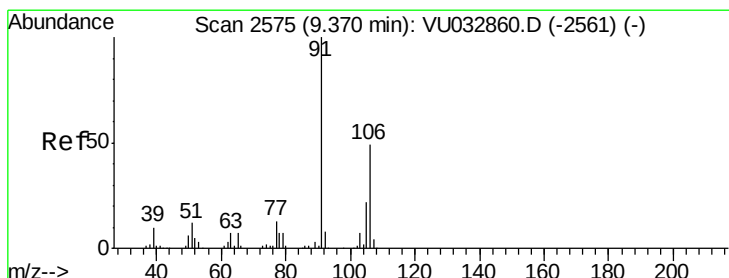
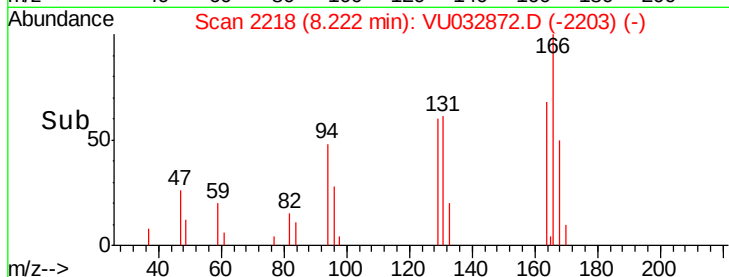
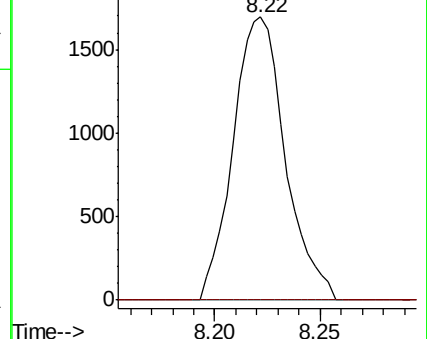
129 100

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



#53

m,p-Xylene

Concen: 0.226 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032872.D

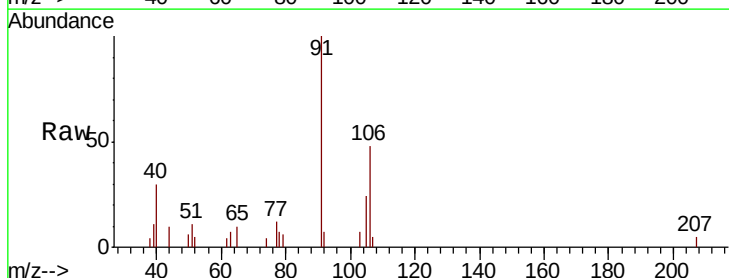
Acq: 19 Jun 2019 20:54

Tgt Ion:106 Resp: 2980

Ion Ratio Lower Upper

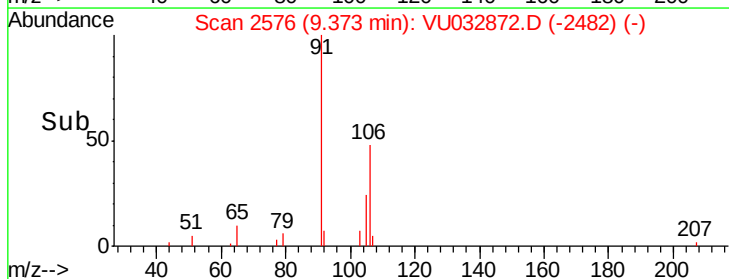
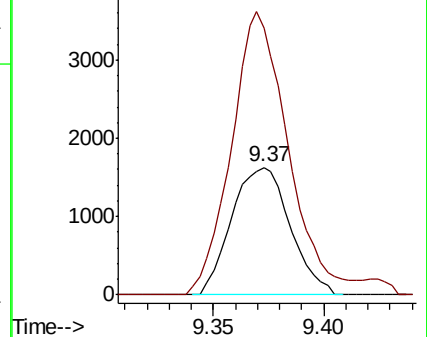
106 100

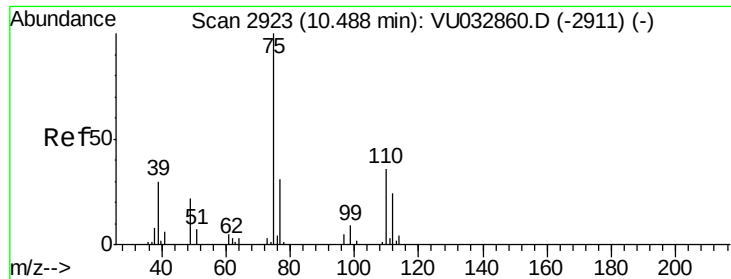
91 209.0 142.4 264.4



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: 1.319 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032872.D

Acq: 19 Jun 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

GALF4

Tgt Ion: 75 Resp: 6336

Ion Ratio Lower Upper

75 100

77 37.0 25.3 37.9

