

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032873.D
 Acq On : 19 Jun 2019 21:18
 Operator : JC/SP
 Sample : K3413-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALF5

Quant Time: Jun 20 07:29:10 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	92102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47648	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28660	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.68	69	24789	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.27	63	47323	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.19	46	106046	63.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.90%
24) Chloroform-d	4.64	84	63544	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.31	65	37855	6.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.20%#
32) Benzene-d6	5.33	84	121388	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.32	67	39295	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.00%
41) Toluene-d8	7.56	98	111525	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	7.85	79	15924	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.31	63	77781	52.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34798	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	47930	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

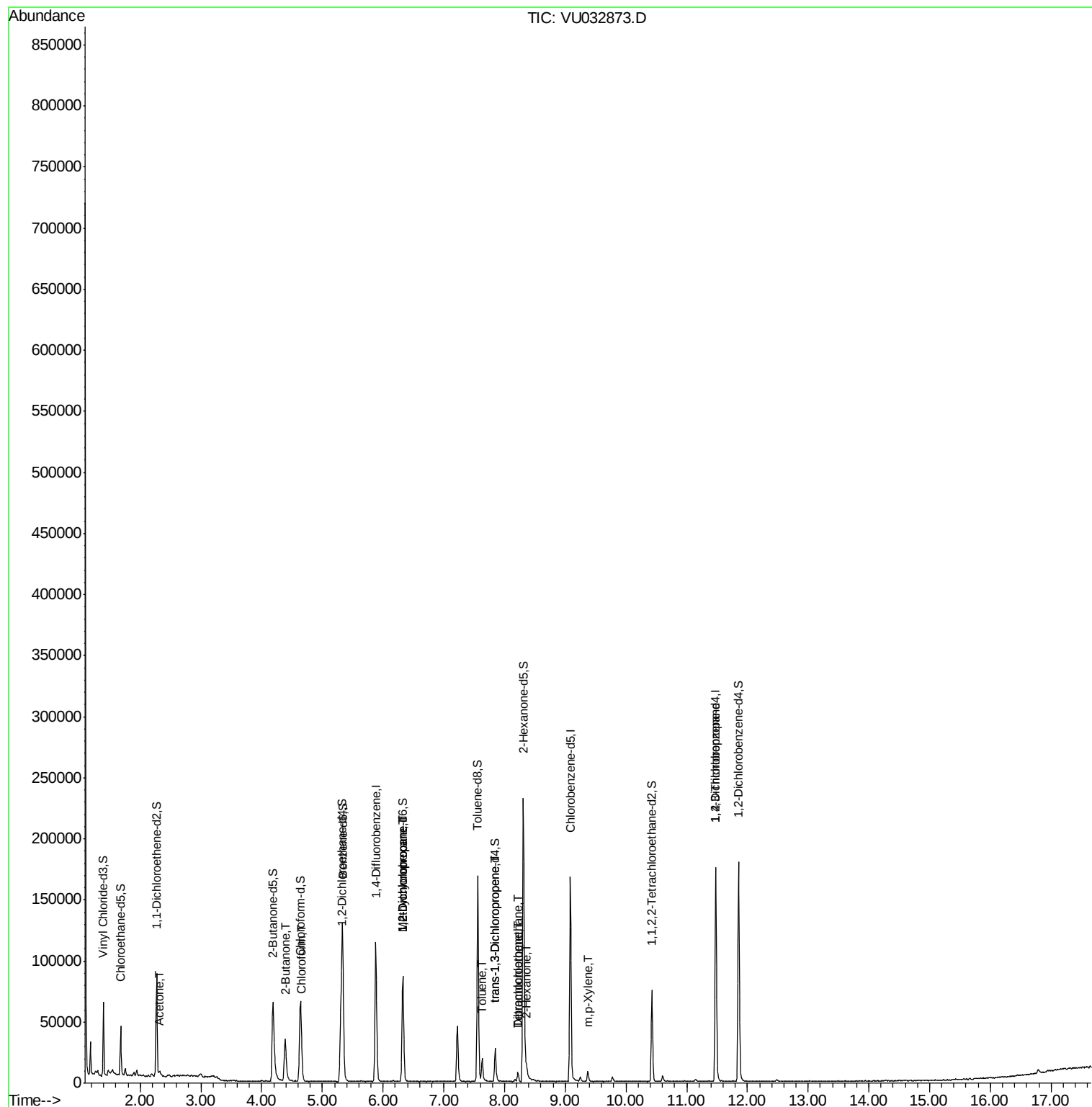
					Qvalue
13) Acetone	2.32	43	4844	3.735	ug/L 93
21) 2-Butanone	4.39	43	50174	26.596	ug/L # 49
25) Chloroform	4.67	83	3101	0.269	ug/L 91
35) Methylcyclohexane	6.32	83	9099	0.735	ug/L # 19
37) 1,2-Dichloropropane	6.32	63	4811	0.695	ug/L # 89
42) Toluene	7.63	91	13580	0.455	ug/L 99
44) trans-1,3-Dichloropropene	7.85	75	714	0.084	ug/L 99
47) Tetrachloroethene	8.22	164	1714	0.283	ug/L 94
48) 2-Hexanone	8.37	43	4552	1.293	ug/L # 90
49) Dibromochloromethane	8.22	129	1534	0.238	ug/L # 11
53) m,p-Xylene	9.37	106	2720	0.218	ug/L 95
59) 1,2,3-Trichloropropane	11.48	75	6276	1.380	ug/L 95

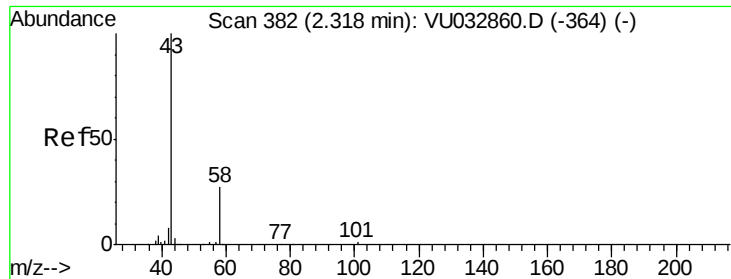
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.735 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA_U

ClientSampled :

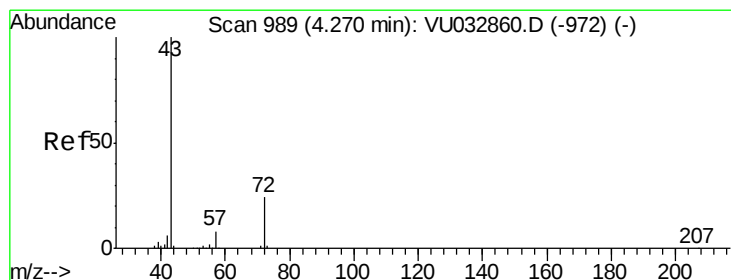
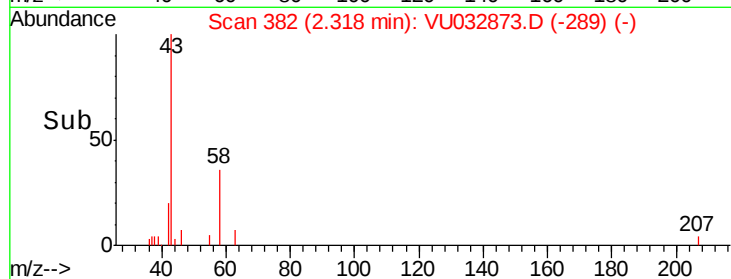
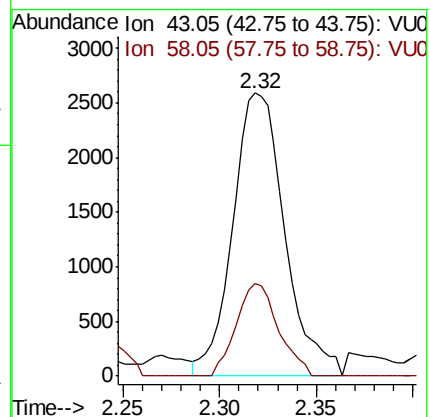
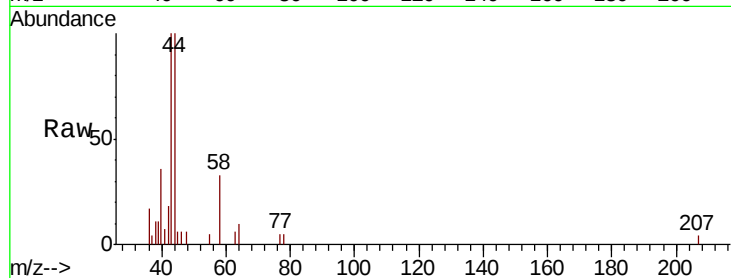
GALF5

Tgt Ion: 43 Resp: 4844

Ion Ratio Lower Upper

43 100

58 26.5 0.0 60.8



#21

2-Butanone

Concen: 26.596 ug/L

RT: 4.39 min Scan# 1026

Delta R.T. 0.12 min

Lab File: VU032873.D

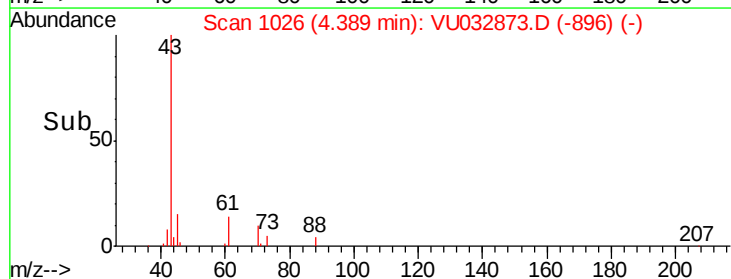
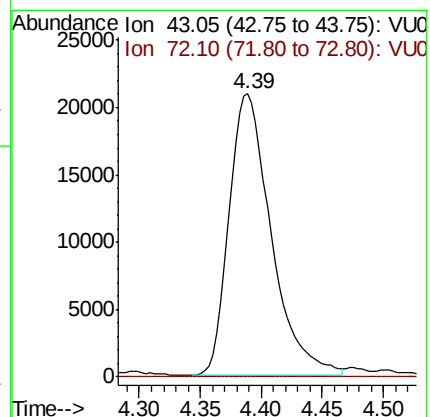
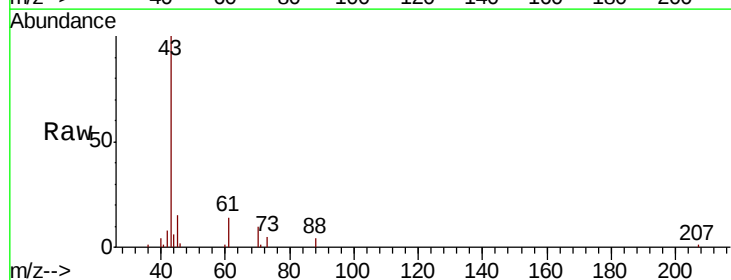
Acq: 19 Jun 2019 21:18

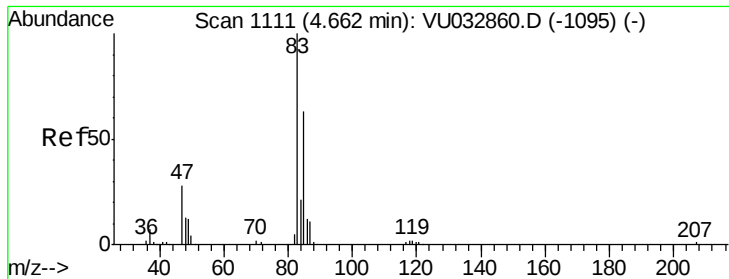
Tgt Ion: 43 Resp: 50174

Ion Ratio Lower Upper

43 100

72 0.0 13.1 39.3#





#25

Chloroform

Concen: 0.269 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA_U

ClientSampleId :

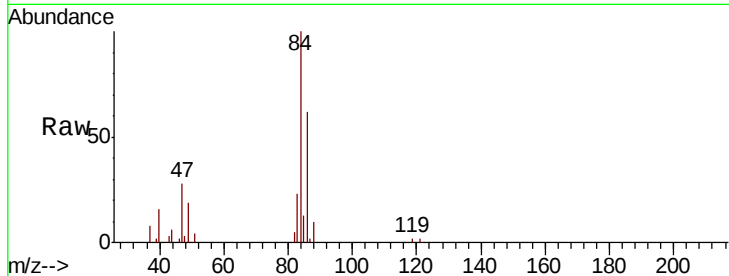
GALF5

Tgt Ion: 83 Resp: 3101

Ion Ratio Lower Upper

83 100

85 55.9 43.8 81.3



Abundance Ion 83.05 (82.75 to 83.75): VU032860.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU032860.D (-1095) (-)

4.67

1500

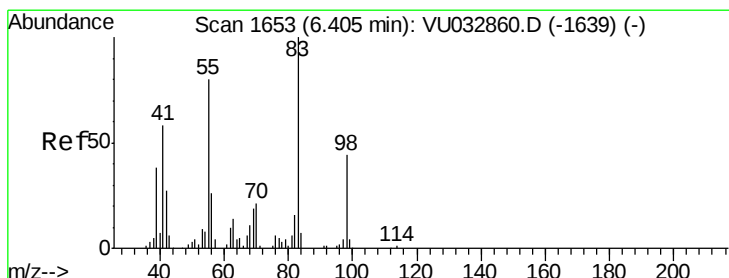
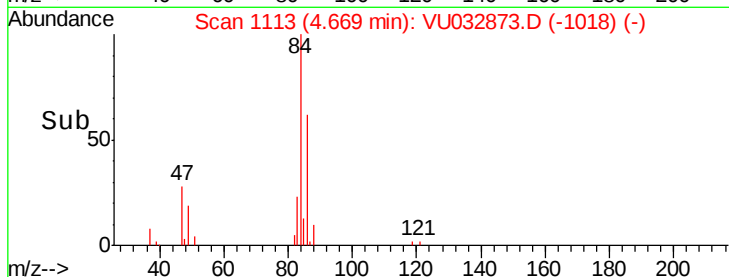
1000

500

0

4.60 4.65 4.70

Time-->



#35

Methylcyclohexane

Concen: 0.735 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

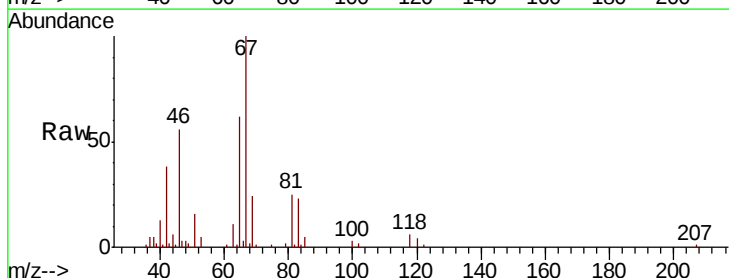
Tgt Ion: 83 Resp: 9099

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

98 0.0 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU032860.D (-1639) (-)

Ion 55.10 (54.80 to 55.80): VU032860.D (-1639) (-)

Ion 98.15 (97.85 to 98.85): VU032860.D (-1639) (-)

6000

5000

4000

3000

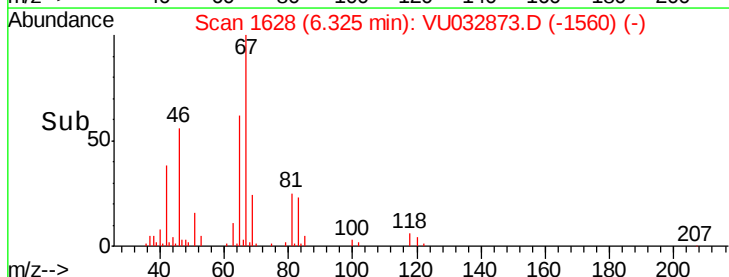
2000

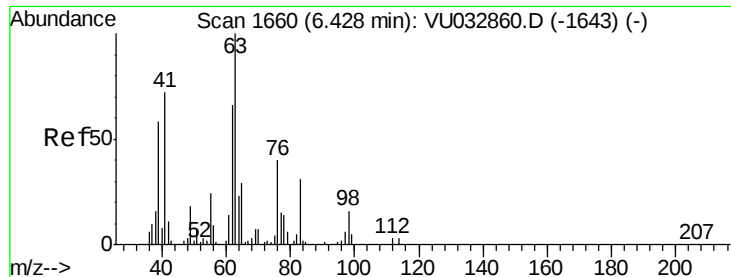
1000

0

6.25 6.30 6.35 6.40

Time-->

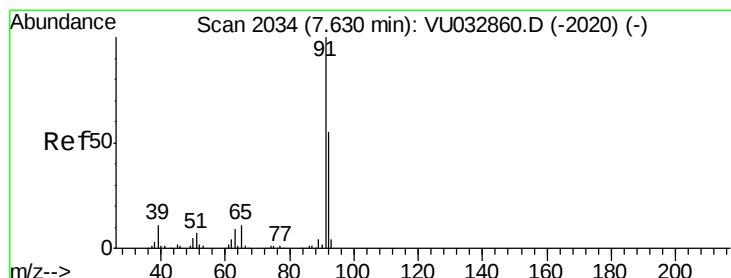
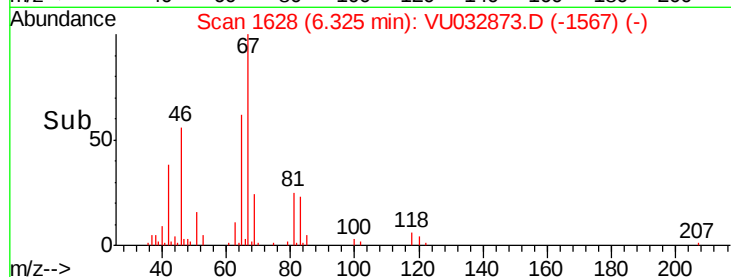
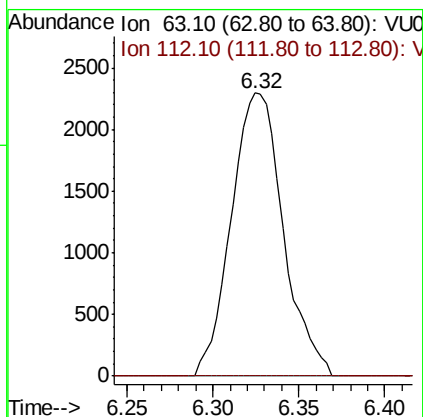
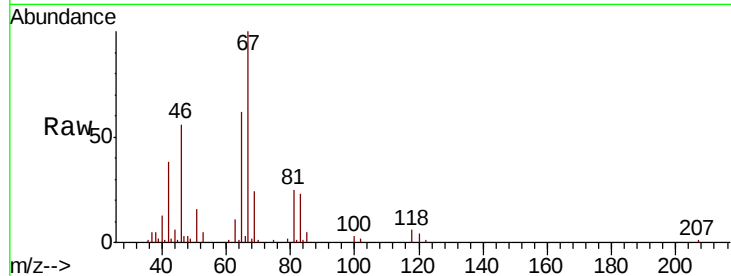




#37
 1,2-Dichloropropane
 Concen: 0.695 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032873.D
 Acq: 19 Jun 2019 21:18

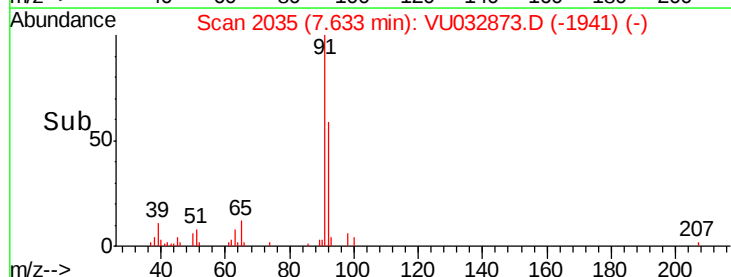
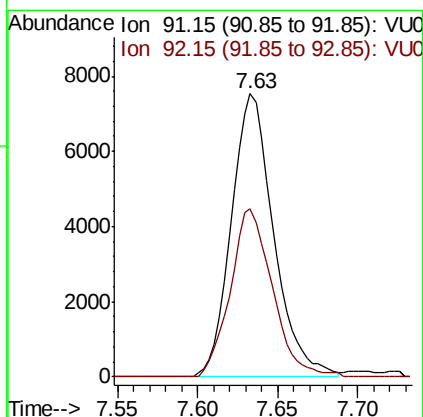
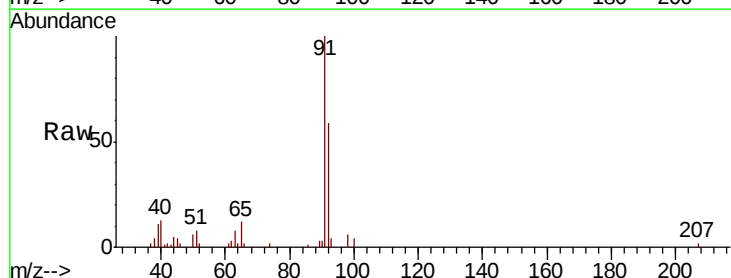
Instrument :
 MSVOA_U
 ClientSampleId :
 GALF5

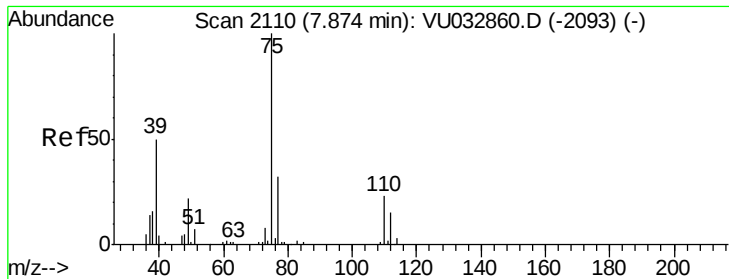
Tgt Ion: 63 Resp: 4811
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#42
 Toluene
 Concen: 0.455 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032873.D
 Acq: 19 Jun 2019 21:18

Tgt Ion: 91 Resp: 13580
 Ion Ratio Lower Upper
 91 100
 92 59.4 40.9 75.9





#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA_U

ClientSampleId :

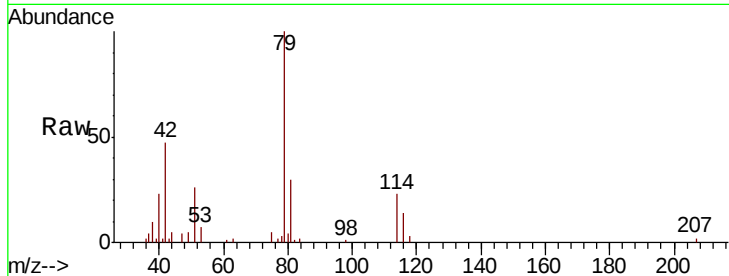
GALF5

Tgt Ion: 75 Resp: 714

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.85

400

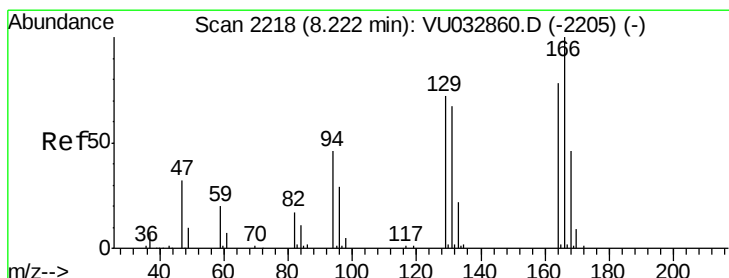
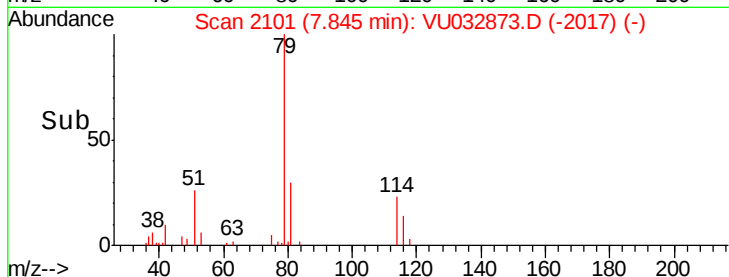
300

200

100

0

Time--> 7.80 7.85



#47

Tetrachloroethene

Concen: 0.283 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Tgt Ion: 164 Resp: 1714

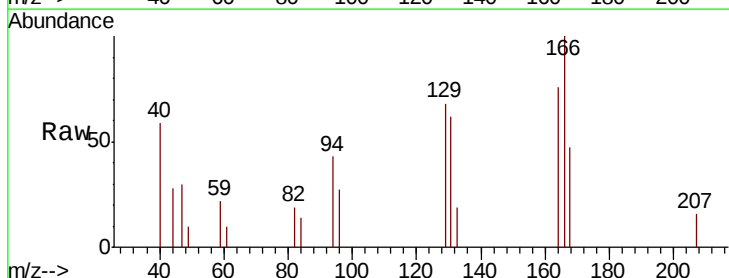
Ion Ratio Lower Upper

164 100

129 89.0 66.1 122.7

131 81.1 65.6 121.8

166 131.7 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

2000

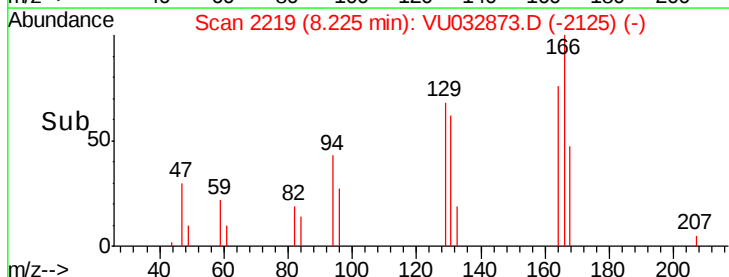
1500

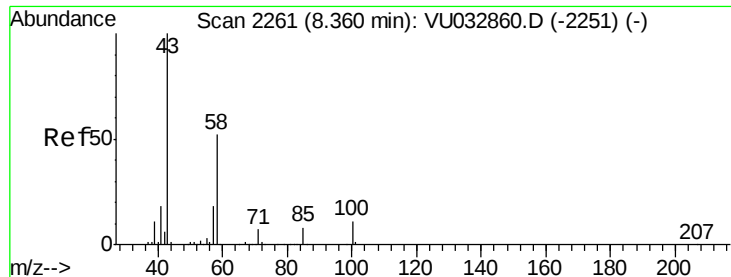
1000

500

0

Time--> 8.20 8.25

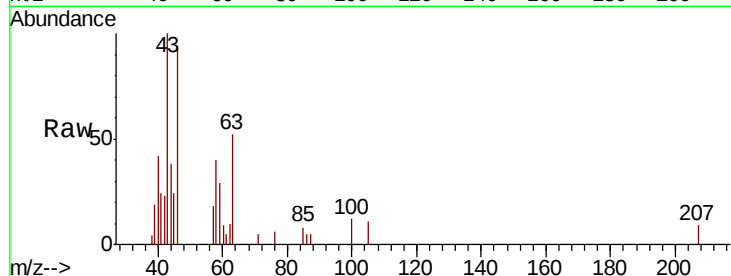




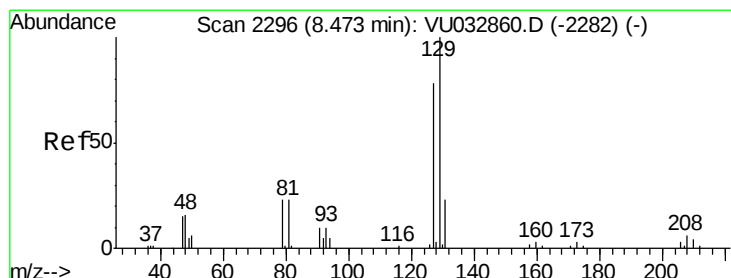
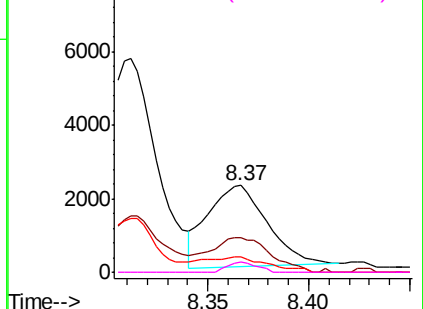
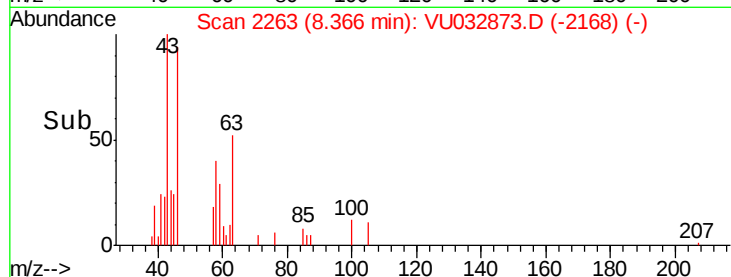
#48
2-Hexanone
Concen: 1.293 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU032873.D
Acq: 19 Jun 2019 21:18

Instrument :
MSVOA_U
ClientSampleId :
GALF5

Tgt Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
58 44.2 41.9 62.9
57 21.0 15.1 22.7
100 6.4 9.0 13.6#

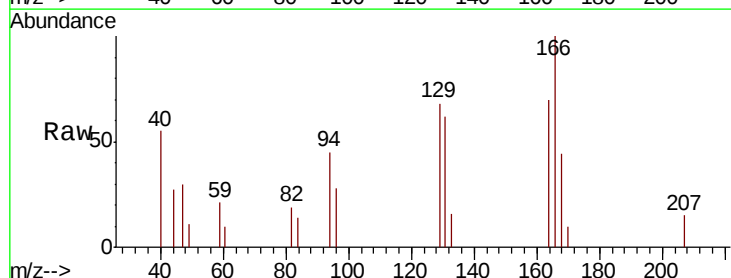


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

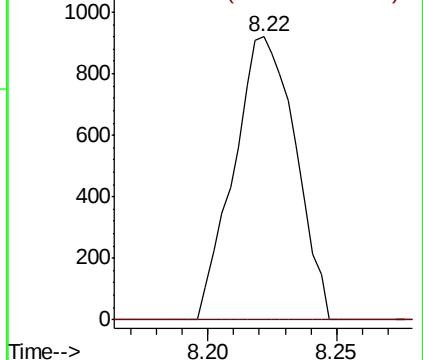
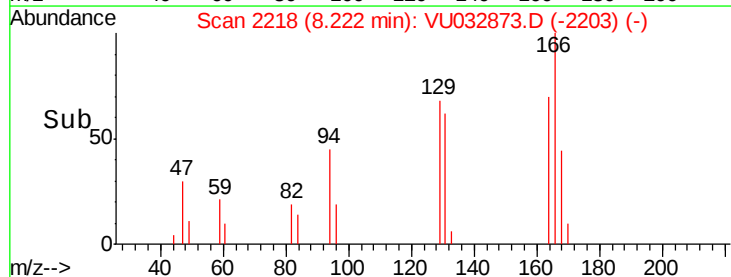


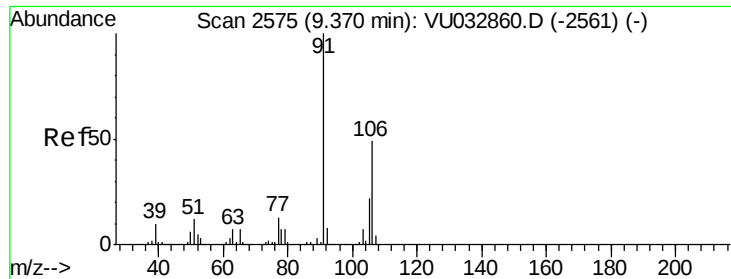
#49
Dibromochloromethane
Concen: 0.238 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032873.D
Acq: 19 Jun 2019 21:18

Tgt Ion: 129 Resp: 1534
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: 0.218 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032873.D

Acq: 19 Jun 2019 21:18

Instrument :

MSVOA_U

ClientSampleId :

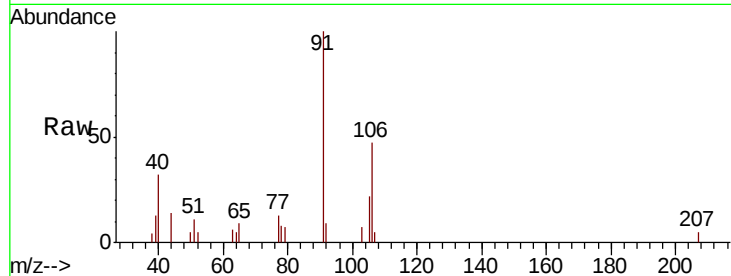
GALF5

Tgt Ion: 106 Resp: 2720

Ion Ratio Lower Upper

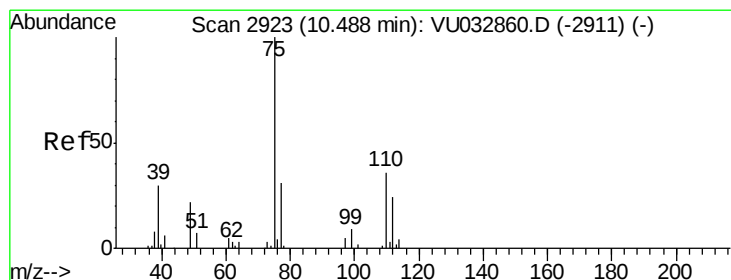
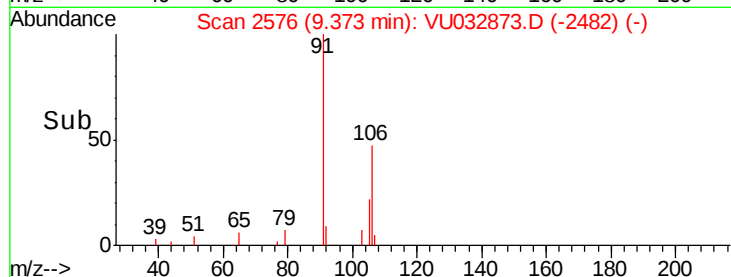
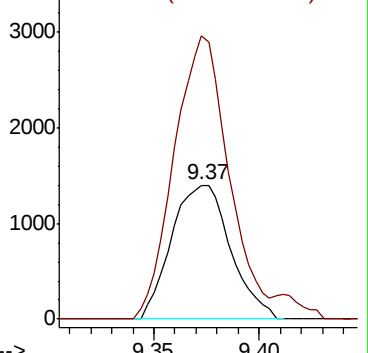
106 100

91 211.0 142.4 264.4



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

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



#59

1,2,3-Trichloropropane

Concen: 1.380 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032873.D

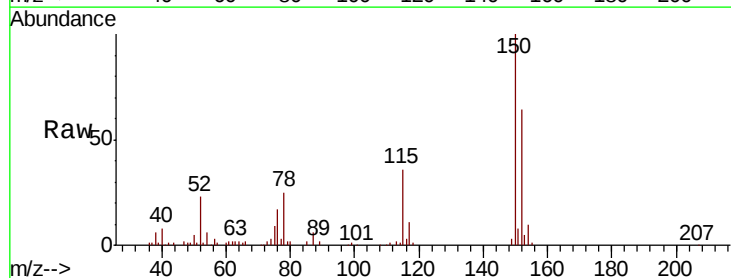
Acq: 19 Jun 2019 21:18

Tgt Ion: 75 Resp: 6276

Ion Ratio Lower Upper

75 100

77 34.4 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU032860.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU032860.D (-2911) (-)

