

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032877.D
 Acq On : 19 Jun 2019 22:54
 Operator : JC/SP
 Sample : K3413-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG0

Quant Time: Jun 20 07:29:41 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	91853	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	91869	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48358	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28076	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.68	69	24656	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.27	63	45536	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.19	46	102745	61.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.30%
24) Chloroform-d	4.64	84	61295	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.31	65	36566	6.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.80%#
32) Benzene-d6	5.33	84	117755	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.32	67	38895	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.56	98	105663	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.85	79	15296	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.31	63	77257	51.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33138	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	46467	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

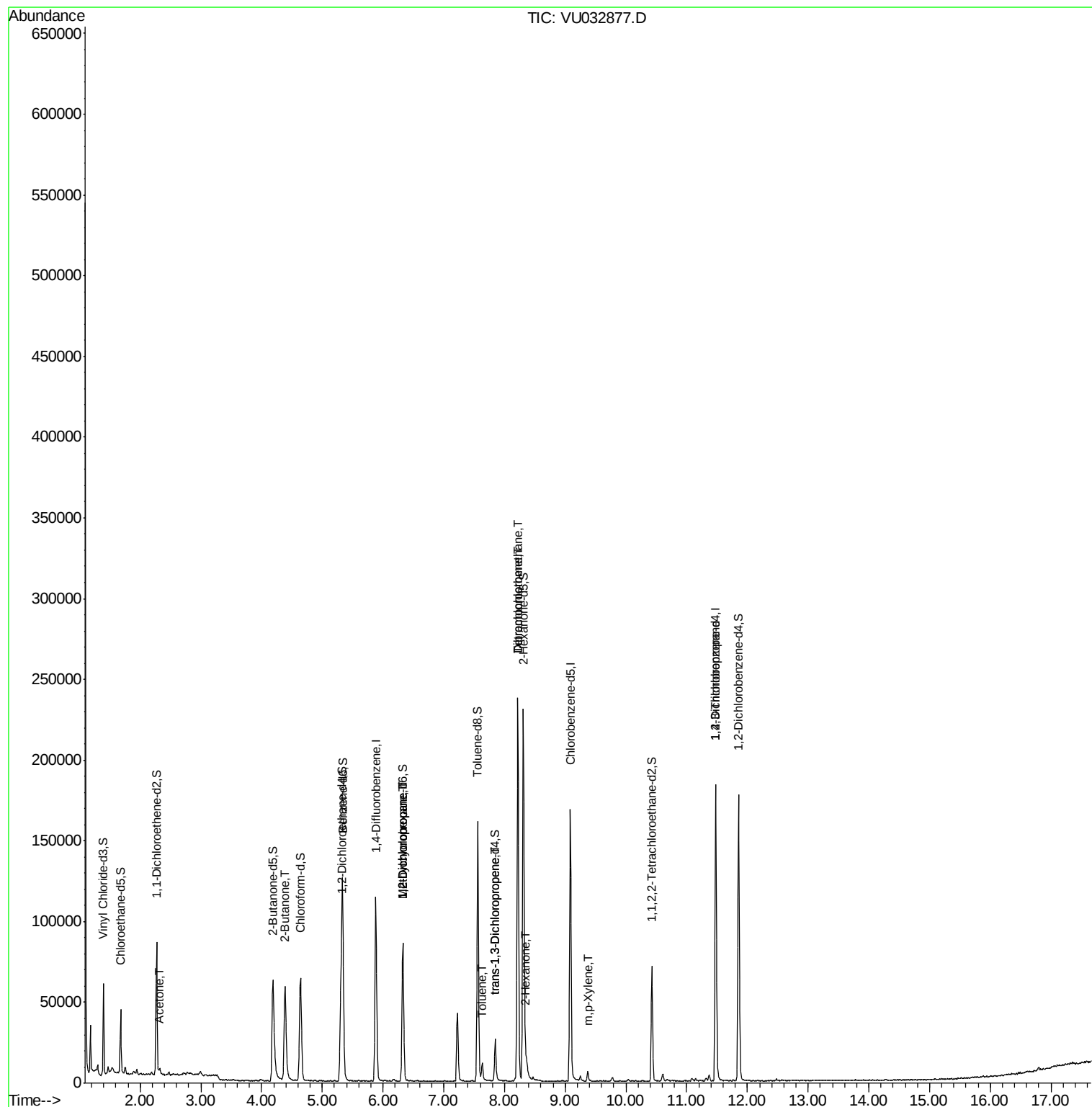
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	3376	2.610	ug/L	97
21) 2-Butanone	4.39	43	86992	46.238	ug/L #	49
35) Methylcyclohexane	6.32	83	8750	0.698	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	4623	0.660	ug/L #	89
42) Toluene	7.63	91	8063	0.267	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	792	0.092	ug/L	100
47) Tetrachloroethene	8.22	164	51035	8.324	ug/L	95
48) 2-Hexanone	8.36	43	4587	1.287	ug/L #	91
49) Dibromochloromethane	8.22	129	48103	7.376	ug/L #	11
53) m,p-Xylene	9.38	106	1789	0.142	ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	6442	1.400	ug/L	92

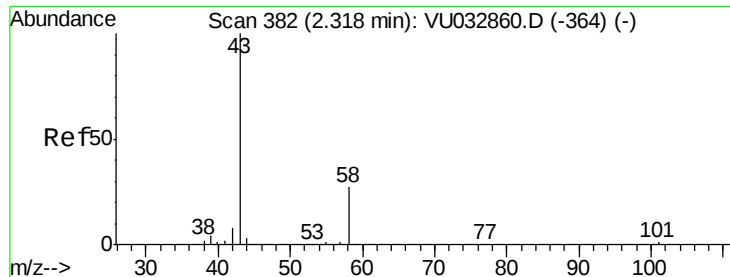
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.610 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032877.D

Acq: 19 Jun 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

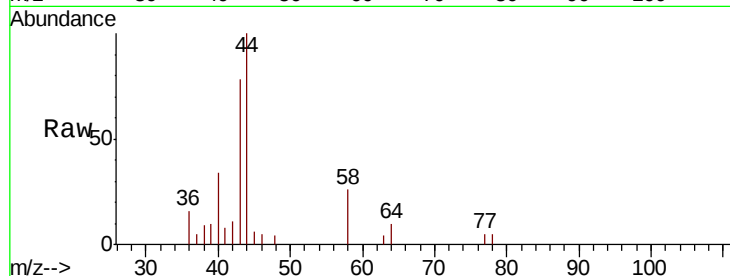
GALG0

Tgt Ion: 43 Resp: 3376

Ion Ratio Lower Upper

43 100

58 31.8 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) (-)

2500

2000

1500

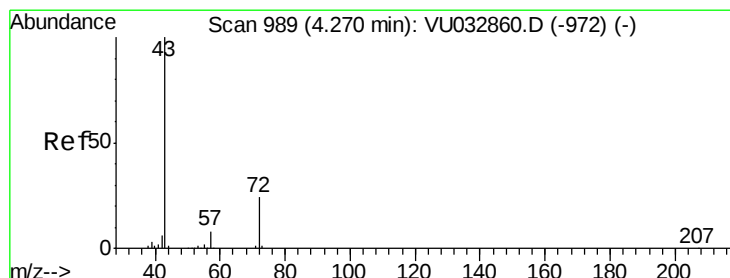
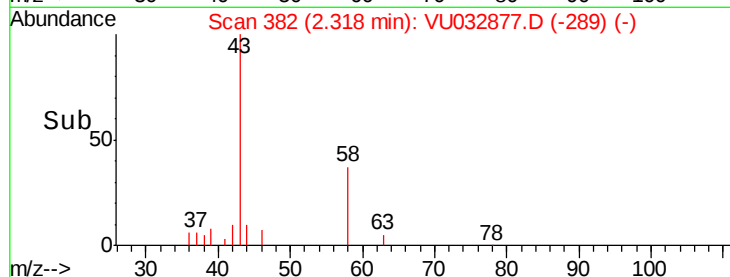
1000

500

0

2.25 2.30 2.35 2.40

Time-->



#21

2-Butanone

Concen: 46.238 ug/L

RT: 4.39 min Scan# 1025

Delta R.T. 0.12 min

Lab File: VU032877.D

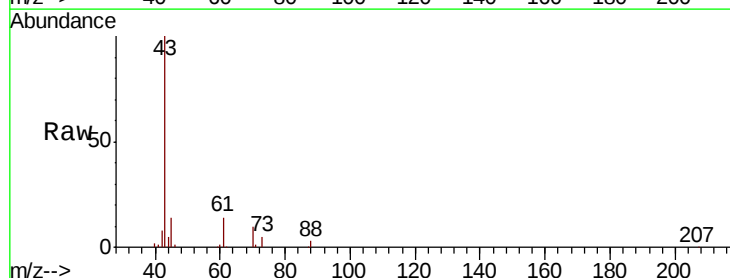
Acq: 19 Jun 2019 22:54

Tgt Ion: 43 Resp: 86992

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) (-)

40000

30000

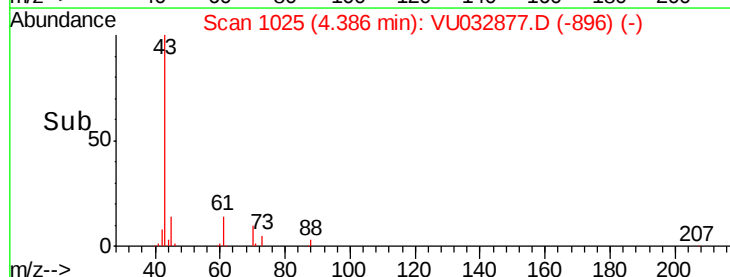
20000

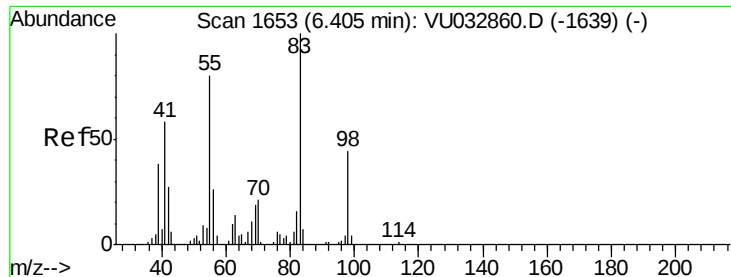
10000

0

4.30 4.40 4.50

Time-->





#35

Methylcyclohexane

Concen: 0.698 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032877.D

Acq: 19 Jun 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

GALG0

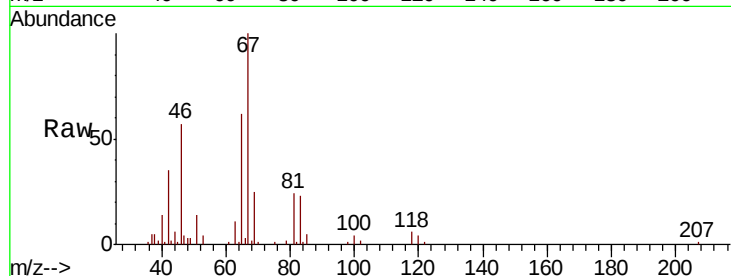
Tgt Ion: 83 Resp: 8750

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

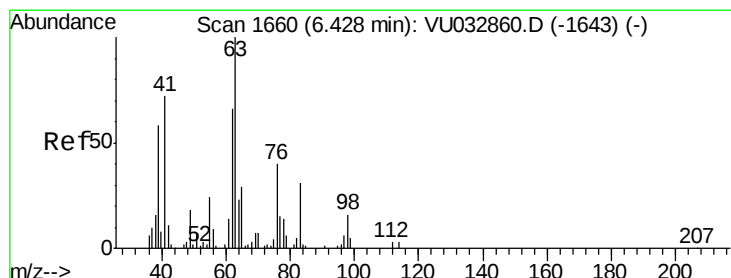
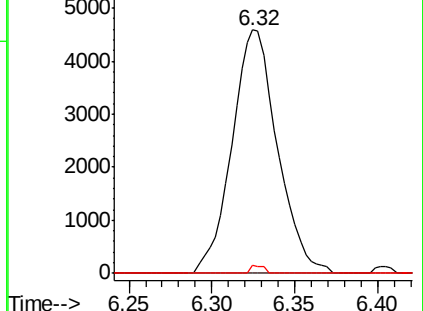
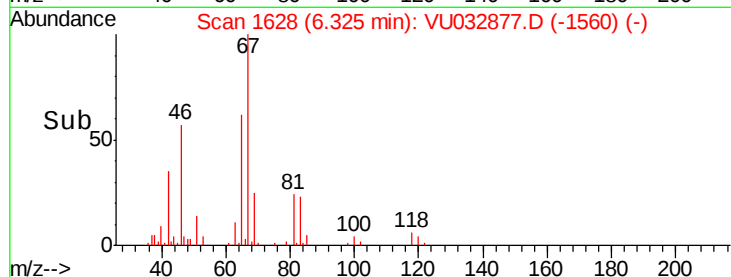
98 0.9 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU032877.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU032877.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU032877.D (-1560) (-)



#37

1,2-Dichloropropane

Concen: 0.660 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032877.D

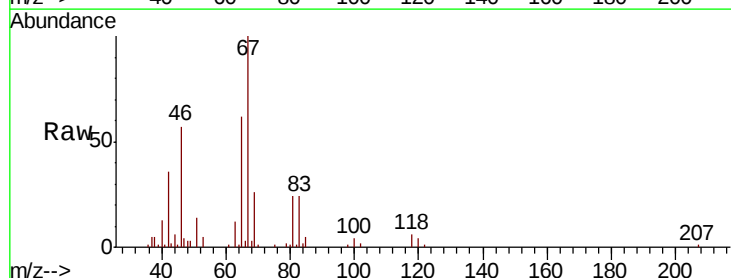
Acq: 19 Jun 2019 22:54

Tgt Ion: 63 Resp: 4623

Ion Ratio Lower Upper

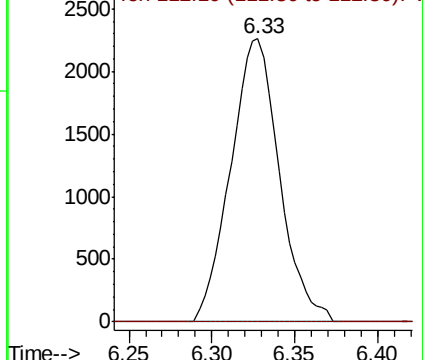
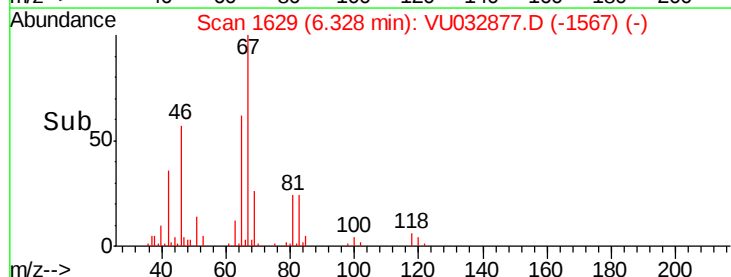
63 100

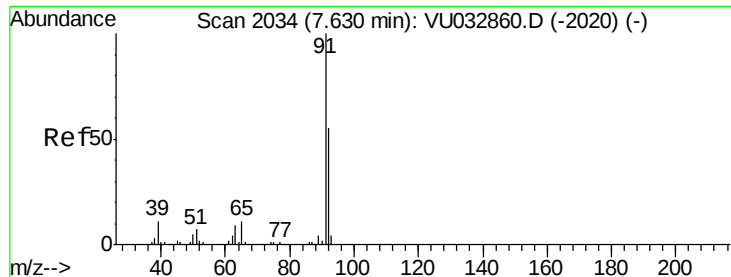
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032877.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU032877.D (-1567) (-)





#42

Toluene

Concen: 0.267 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032877.D

Acq: 19 Jun 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

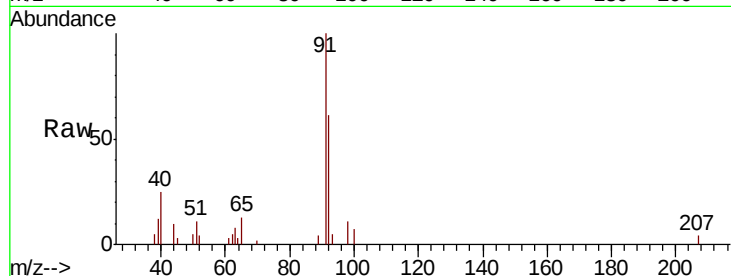
GALGO

Tgt Ion: 91 Resp: 8063

Ion Ratio Lower Upper

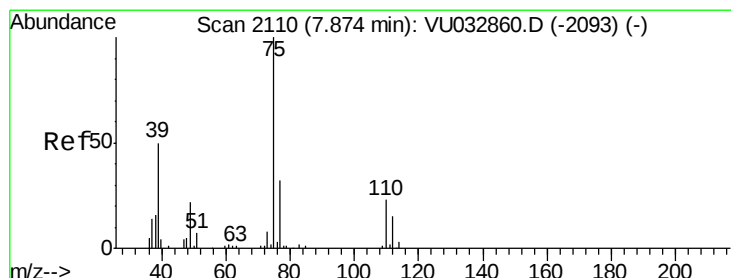
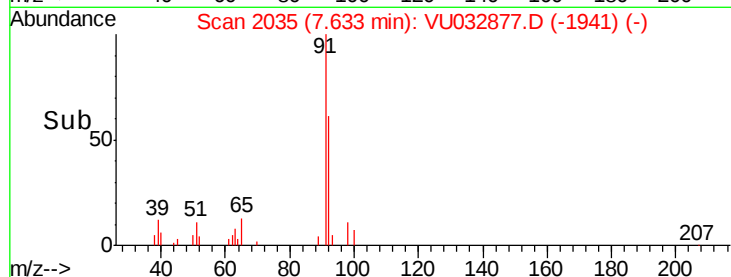
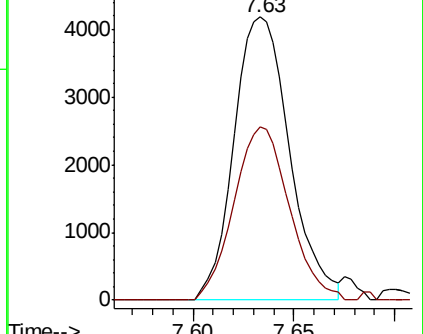
91 100

92 61.2 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: 0.092 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032877.D

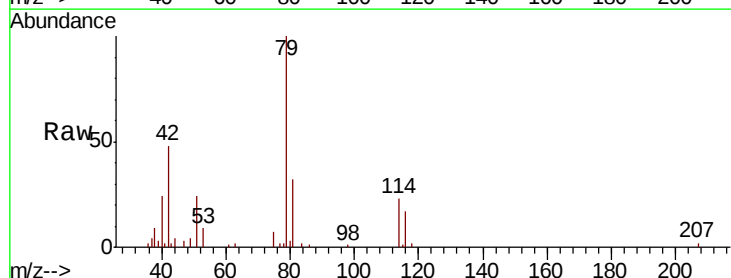
Acq: 19 Jun 2019 22:54

Tgt Ion: 75 Resp: 792

Ion Ratio Lower Upper

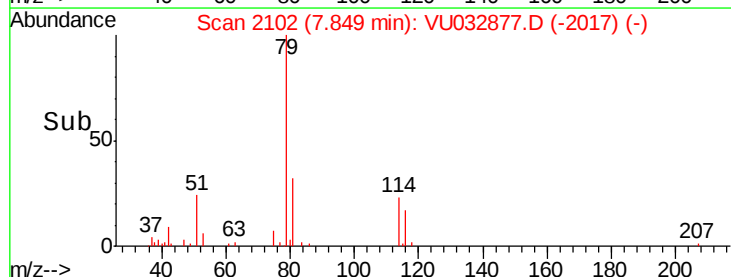
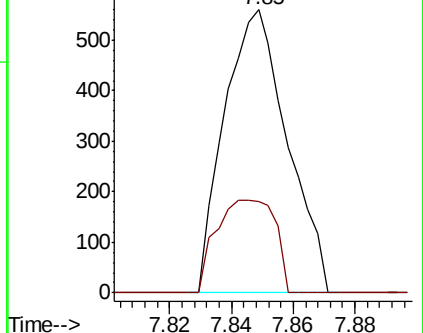
75 100

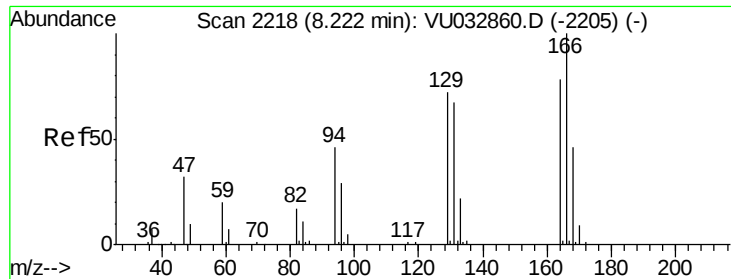
77 32.3 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032860.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032860.D (-2093) (-)

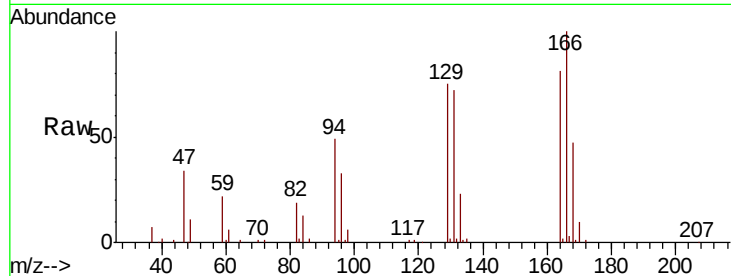




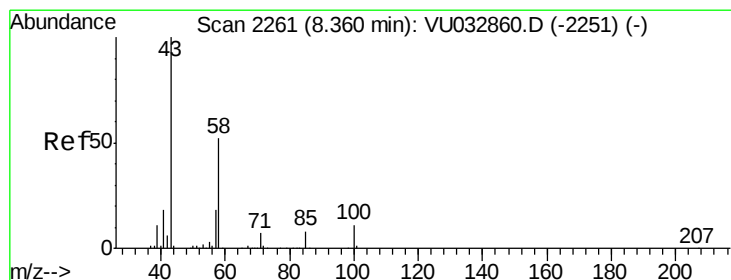
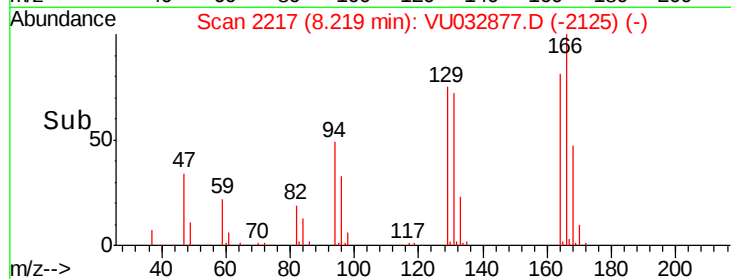
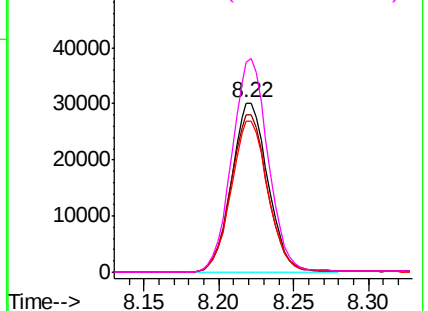
#47
Tetrachloroethene
Concen: 8.324 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.00 min
Lab File: VU032877.D
Acq: 19 Jun 2019 22:54

Instrument :
MSVOA_U
ClientSampleId :
GALG0

Tgt Ion:164 Resp: 51035
Ion Ratio Lower Upper
164 100
129 92.9 66.1 122.7
131 89.3 65.6 121.8
166 123.8 93.2 173.2

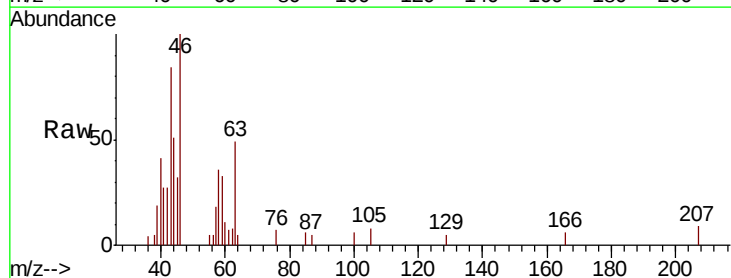


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

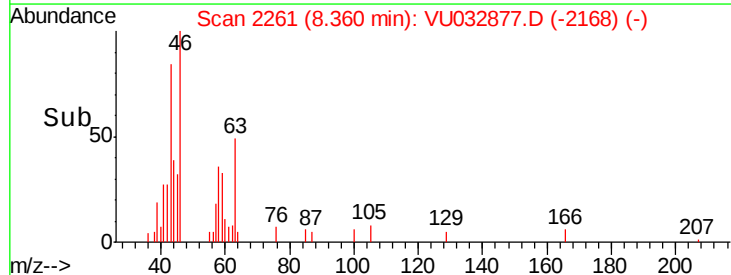
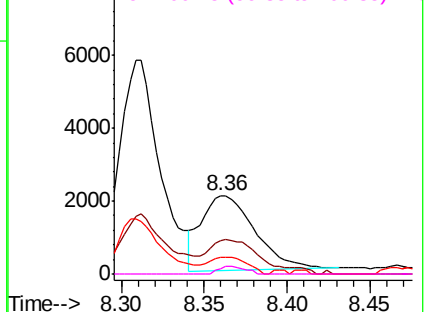


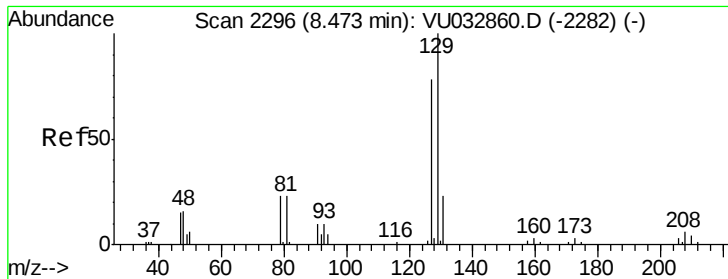
#48
2-Hexanone
Concen: 1.287 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032877.D
Acq: 19 Jun 2019 22:54

Tgt Ion: 43 Resp: 4587
Ion Ratio Lower Upper
43 100
58 46.9 41.9 62.9
57 16.1 15.1 22.7
100 5.0 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: 7.376 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU032877.D

Acq: 19 Jun 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

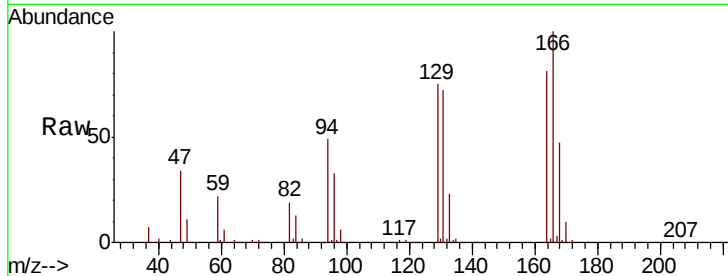
GALG0

Tgt Ion:129 Resp: 48103

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

8.22

30000

25000

20000

15000

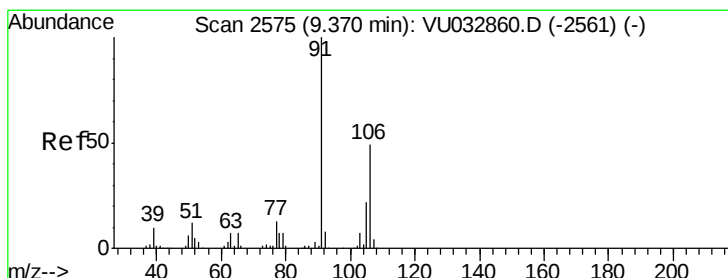
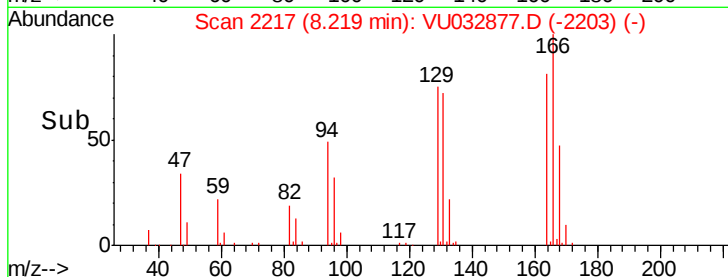
10000

5000

0

8.15 8.20 8.25 8.30

Time-->



#53

m,p-Xylene

Concen: 0.142 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU032877.D

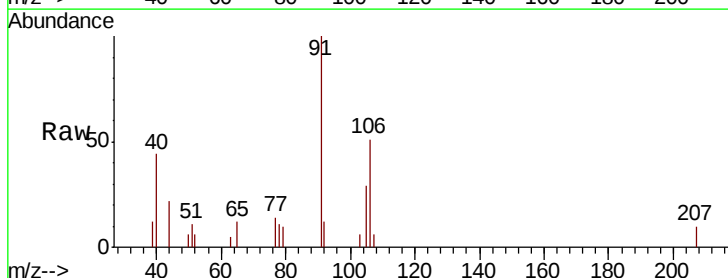
Acq: 19 Jun 2019 22:54

Tgt Ion:106 Resp: 1789

Ion Ratio Lower Upper

106 100

91 195.4 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

9.38

2500

2000

1500

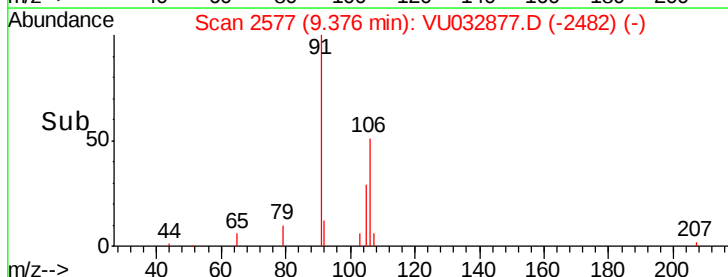
1000

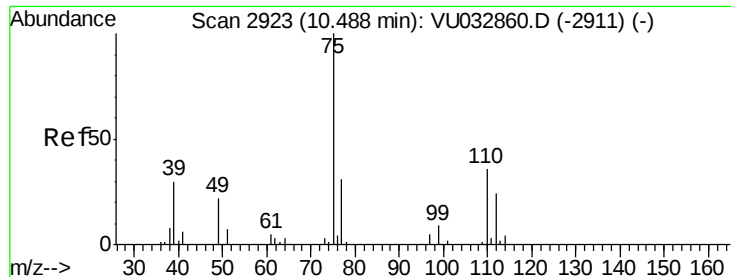
500

0

9.35 9.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 1.400 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032877.D

Acq: 19 Jun 2019 22:54

Instrument :

MSVOA_U

ClientSampleId :

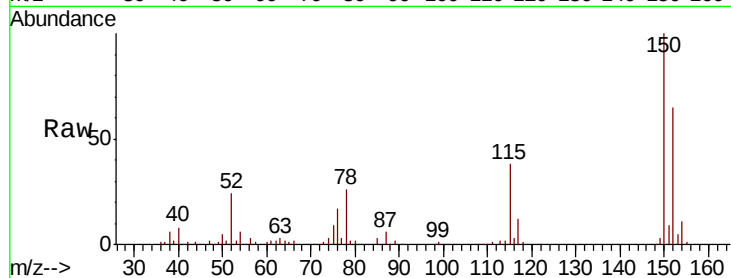
GALG0

Tgt Ion: 75 Resp: 6442

Ion Ratio Lower Upper

75 100

77 35.8 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

