

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030913.D
 Acq On : 08 Apr 2019 18:30
 Operator : JC/SP
 Sample : K2248-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YB4

Quant Time: Apr 09 01:16:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 01:11:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	268169	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	257876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	105714	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.68	69	91032	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.27	63	157873	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	4.19	46	296347	56.12	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.24%
24) Chloroform-d	4.64	84	172475	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.31	65	105179	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.33	84	369073	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.33	67	124700	5.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.40%
41) Toluene-d8	7.56	98	302441	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.85	79	42852	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.31	63	201634	54.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	96422	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	105069	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

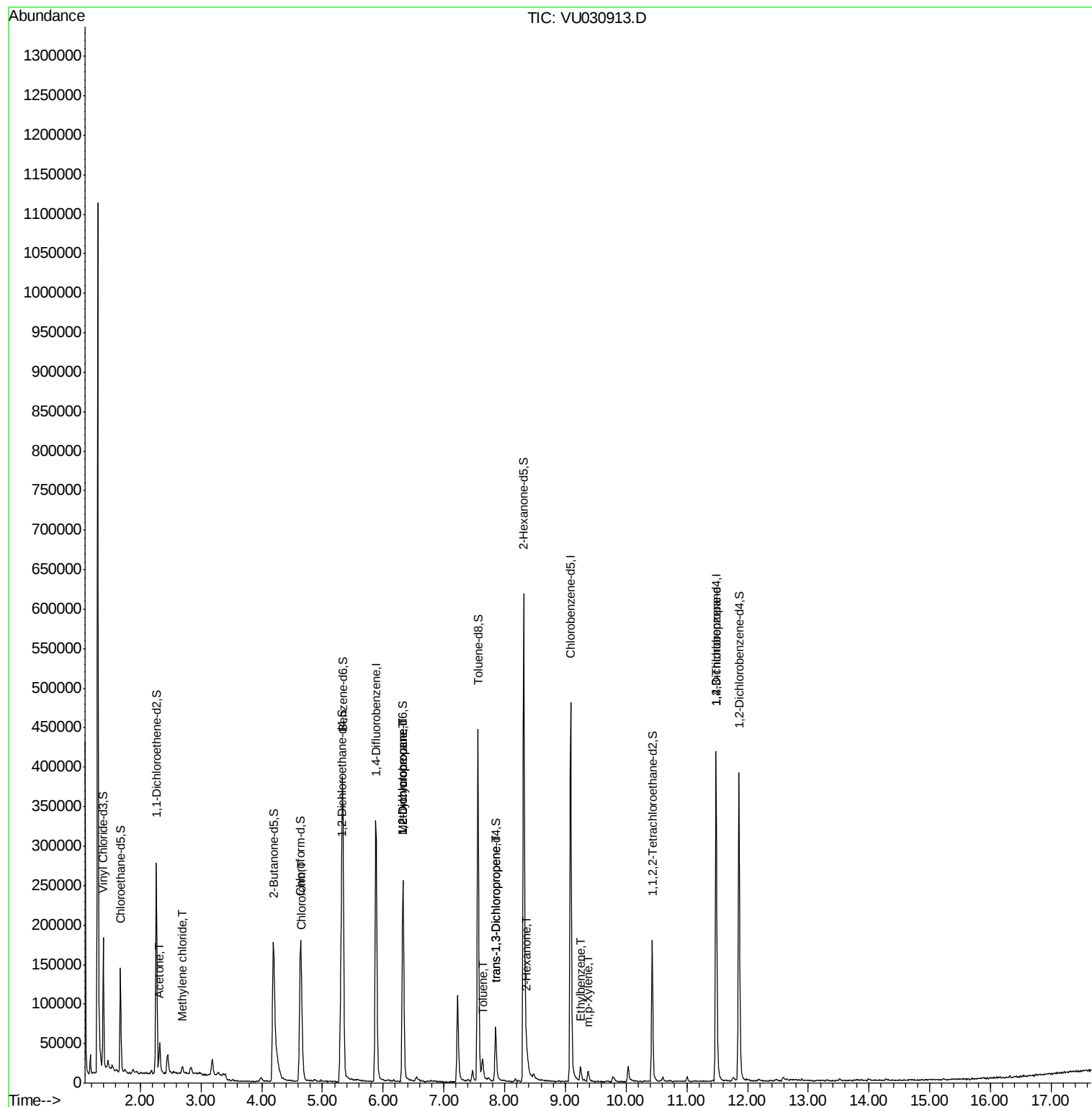
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	38371	9.399	ug/L	99
16) Methylene chloride	2.70	84	4005	0.176	ug/L	78
25) Chloroform	4.67	83	25385	0.637	ug/L	91
35) Methylcyclohexane	6.33	83	27983	0.803	ug/L #	14
37) 1,2-Dichloropropane	6.32	63	14426	0.601	ug/L #	90
42) Toluene	7.64	91	19839	0.227	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	1990	0.080	ug/L	89
48) 2-Hexanone	8.37	43	14202	1.369	ug/L #	87
52) Ethylbenzene	9.25	91	12924	0.139	ug/L	90
53) m,p-Xylene	9.37	106	4182	0.128	ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	13133	0.979	ug/L #	82

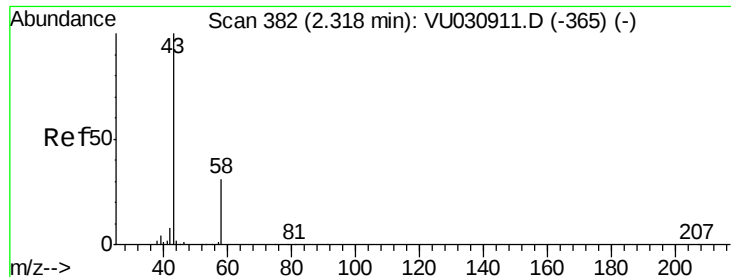
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 9.399 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.04 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

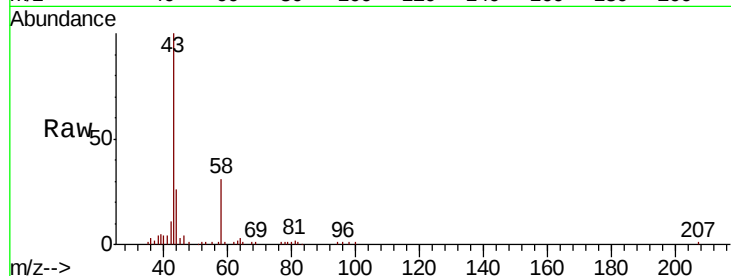
E3YB4

Tot Ion: 43 Resp: 38371

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.8



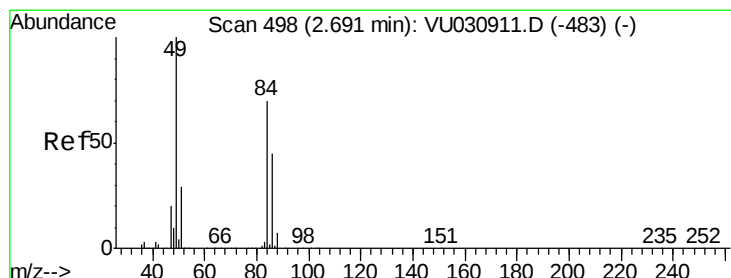
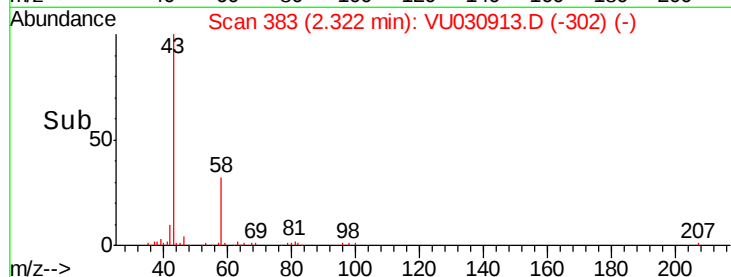
Abundance Ion 43.05 (42.75 to 43.75): VU030913.D (-365) (-)

Ion 58.05 (57.75 to 58.75): VU030913.D (-365) (-)

2.32

2.25 2.30 2.35

Time-->



#16

Methylene chloride

Concen: 0.176 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

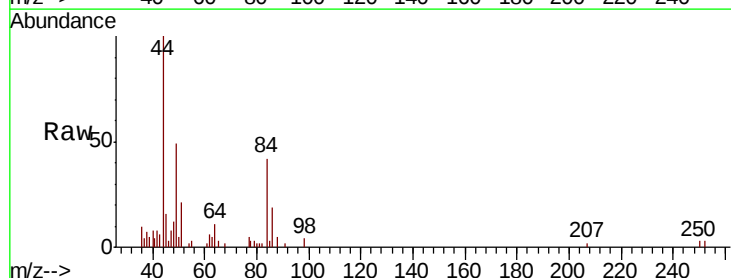
Tgt Ion: 84 Resp: 4005

Ion Ratio Lower Upper

84 100

86 44.1 43.4 80.6

49 115.4 98.5 182.9



Abundance Ion 84.05 (83.75 to 84.75): VU030913.D (-408) (-)

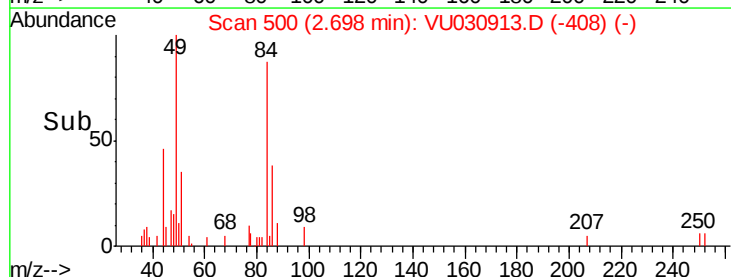
Ion 86.00 (85.70 to 86.70): VU030913.D (-408) (-)

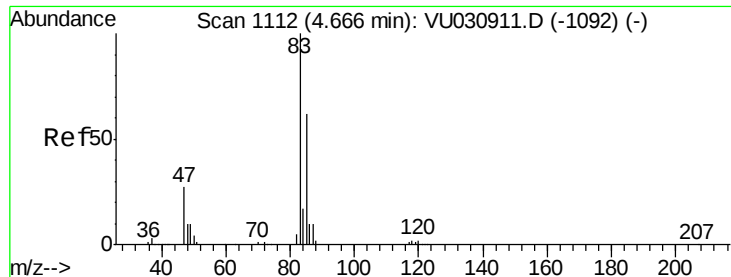
Ion 49.10 (48.80 to 49.80): VU030913.D (-408) (-)

2.70

2.65 2.70 2.75

Time-->





#25

Chloroform

Concen: 0.637 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

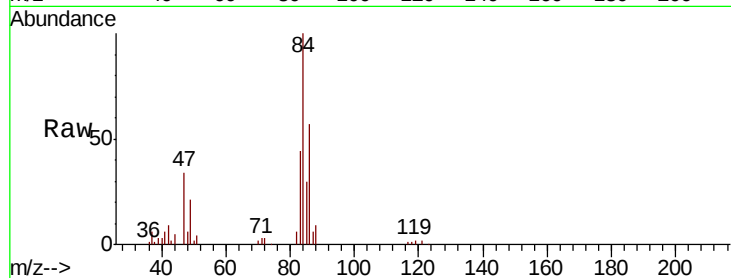
E3YB4

Tot Ion: 83 Resp: 25385

Ion Ratio Lower Upper

83 100

85 70.0 44.2 82.2



Abundance Ion 83.05 (82.75 to 83.75): VU030913.D (-1092) (-)

Ion 85.00 (84.70 to 85.70): VU030913.D (-1092) (-)

4.67

12000

10000

8000

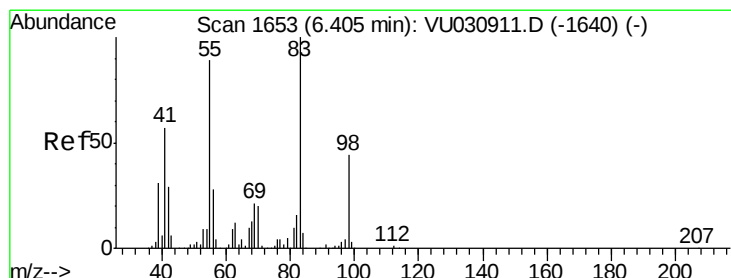
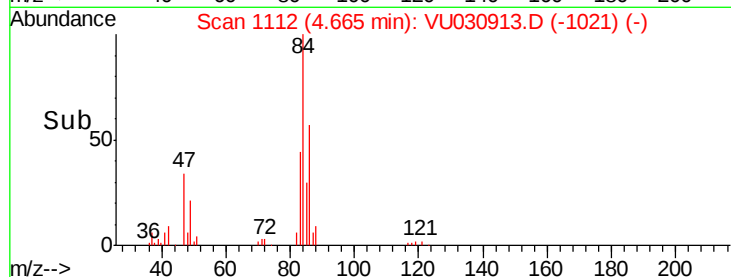
6000

4000

2000

0

Time-->



#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

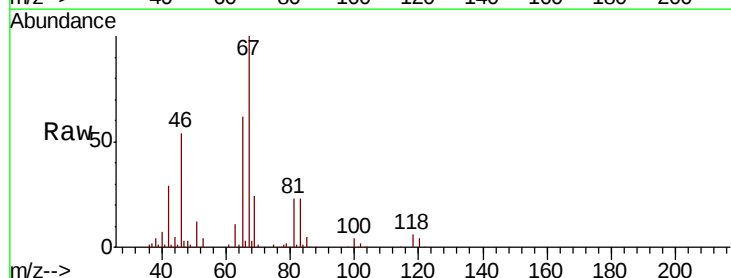
Tgt Ion: 83 Resp: 27983

Ion Ratio Lower Upper

83 100

55 0.1 72.6 108.8#

98 1.6 35.0 52.6#



Abundance Ion 83.15 (82.85 to 83.85): VU030913.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU030913.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU030913.D (-1561) (-)

6.33

20000

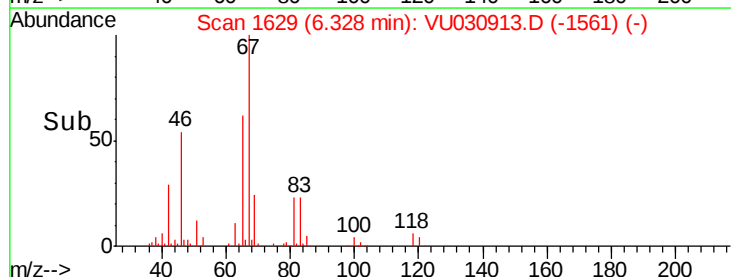
15000

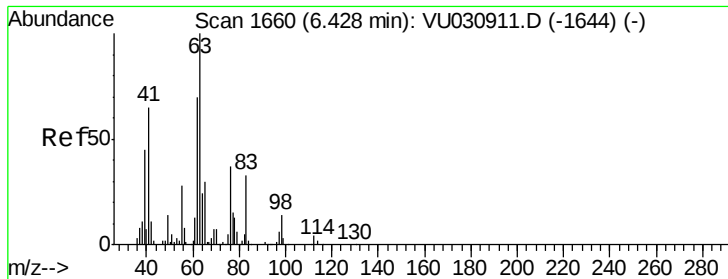
10000

5000

0

Time-->





#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

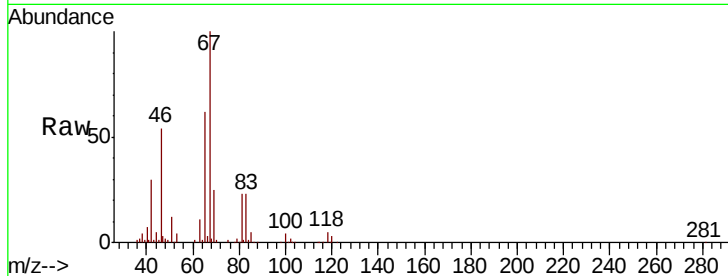
E3YB4

Tot Ion: 63 Resp: 14426

Ion Ratio Lower Upper

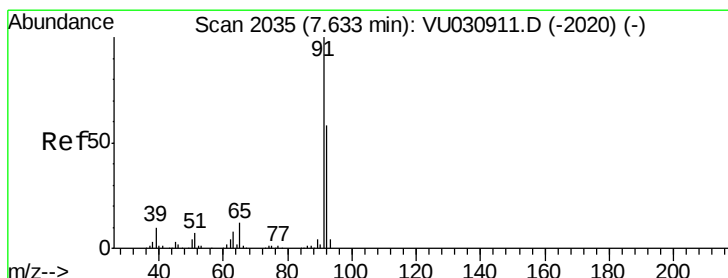
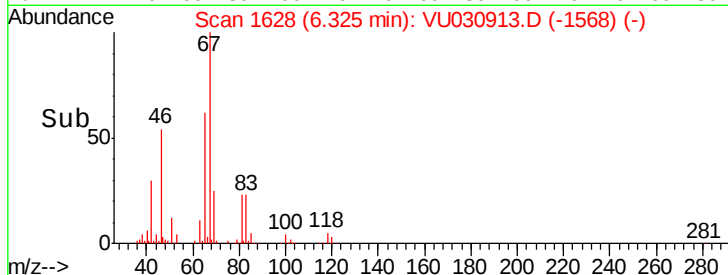
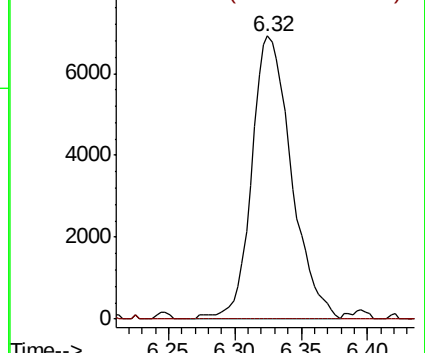
63 100

112 0.1 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#42

Toluene

Concen: 0.227 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030913.D

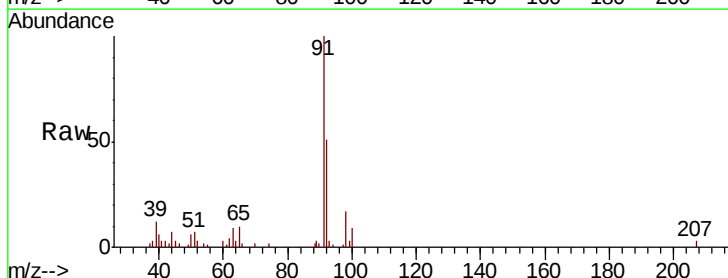
Acq: 08 Apr 2019 18:30

Tgt Ion: 91 Resp: 19839

Ion Ratio Lower Upper

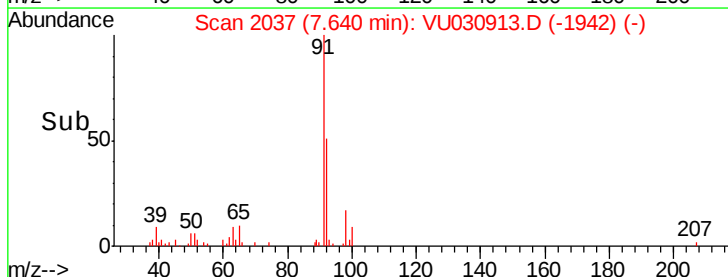
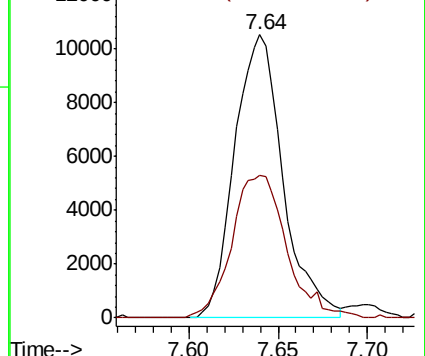
91 100

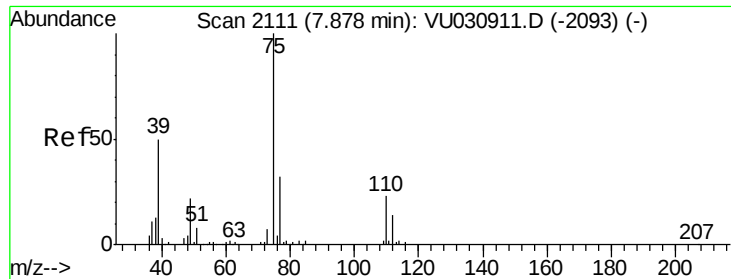
92 50.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

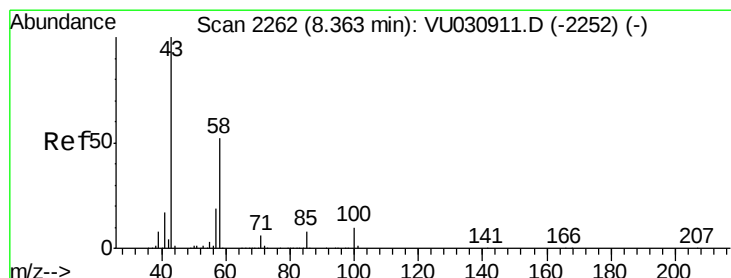
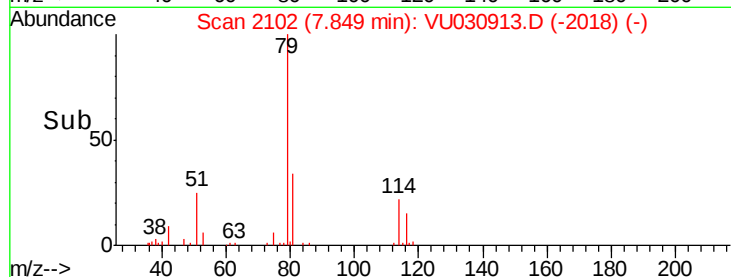
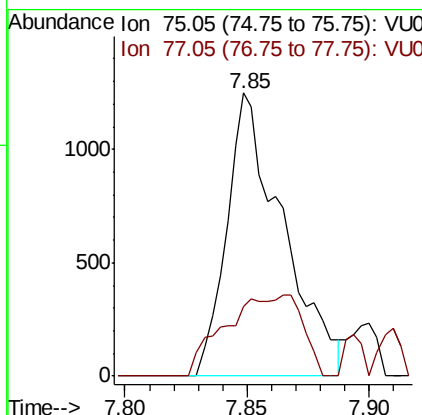
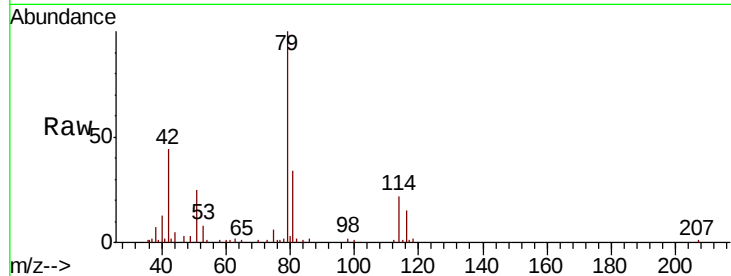




#44
trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030913.D
Acq: 08 Apr 2019 18:30

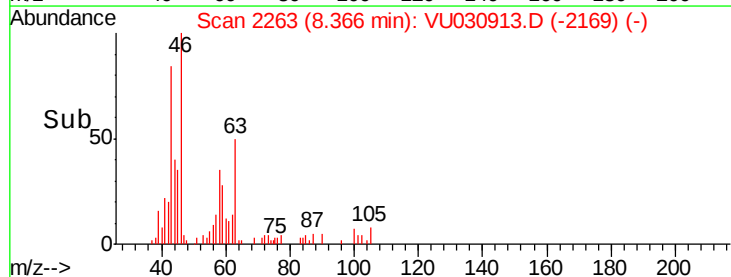
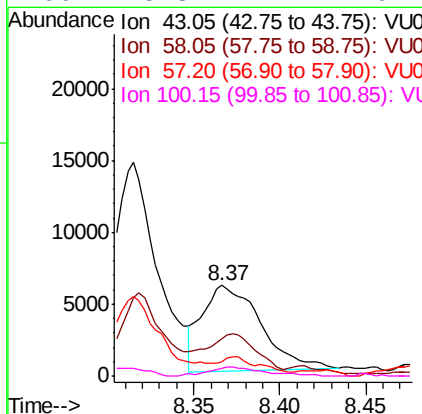
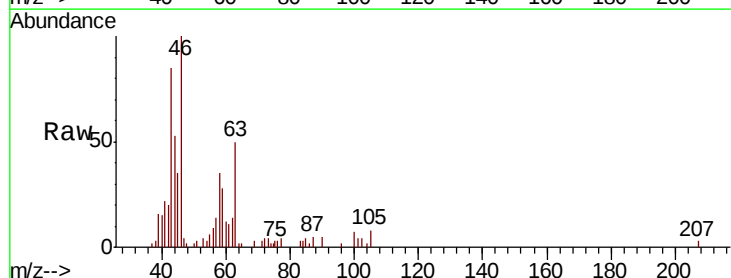
Instrument :
MSVOA_U
ClientSampleId :
E3YB4

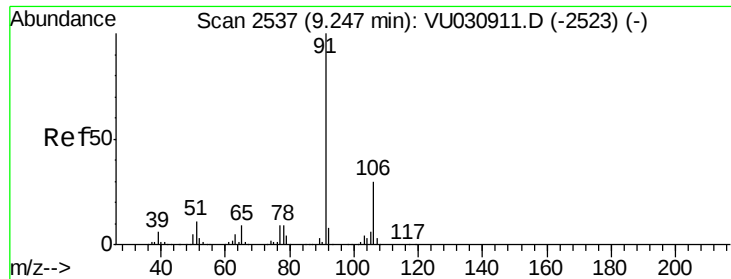
Tot Ion: 75 Resp: 1990
Ion Ratio Lower Upper
75 100
77 24.8 21.6 40.0



#48
2-Hexanone
Concen: 1.369 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU030913.D
Acq: 08 Apr 2019 18:30

Tgt Ion: 43 Resp: 14202
Ion Ratio Lower Upper
43 100
58 41.5 42.5 63.7#
57 14.5 13.9 20.9
100 8.3 7.1 10.7





#52

Ethylbenzene

Concen: 0.139 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

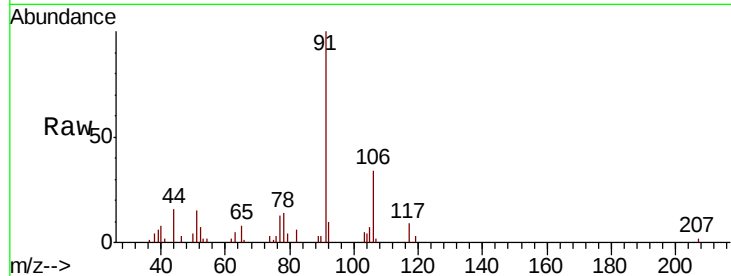
E3YB4

Tot Ion: 91 Resp: 12924

Ion Ratio Lower Upper

91 100

106 33.9 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU030911.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU030911.D (-2523) (-)

9.25

8000

6000

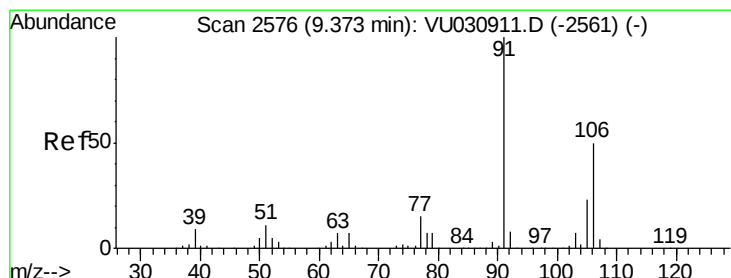
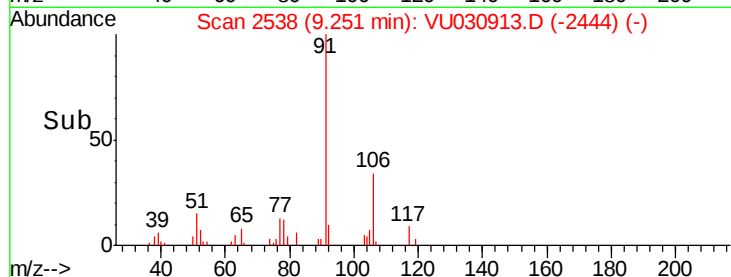
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.128 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030913.D

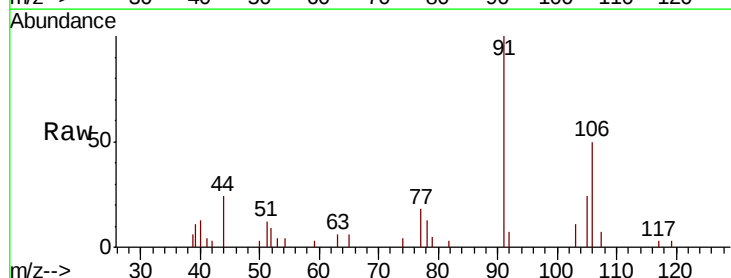
Acq: 08 Apr 2019 18:30

Tgt Ion: 106 Resp: 4182

Ion Ratio Lower Upper

106 100

91 199.2 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU030911.D (-2561) (-)

Ion 91.15 (90.85 to 91.85): VU030911.D (-2561) (-)

9.37

5000

4000

3000

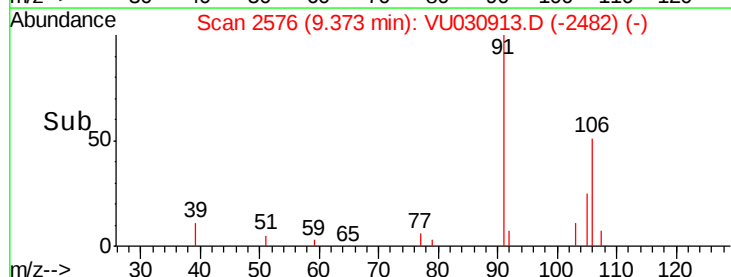
2000

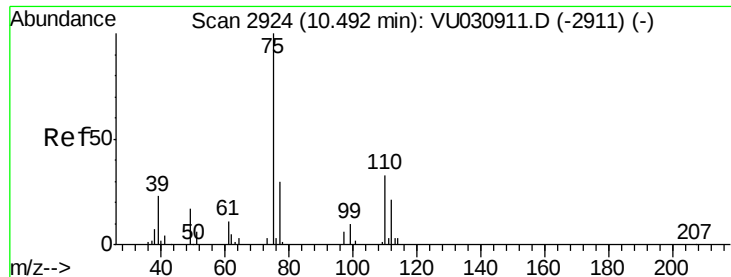
1000

0

9.30 9.35 9.40 9.45

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.979 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030913.D

Acq: 08 Apr 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

E3YB4

Tot Ion: 75 Resp: 13133

Ion Ratio Lower Upper

75 100

77 42.3 25.6 38.4#

