

Data File : VU029457.D
Acq On : 14 Feb 2019 14:59
Operator : JC/SP
Sample : K1436-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXB0

Quant Time: Feb 15 00:48:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 15 00:42:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191240	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52871	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.68	69	49420	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	90820	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.19	46	136227	50.99	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.65	84	103603	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.31	65	50955	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.34	84	207123	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.33	67	62821	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.56	98	198338	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	25186	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.31	63	137420	53.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53911	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	87875	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

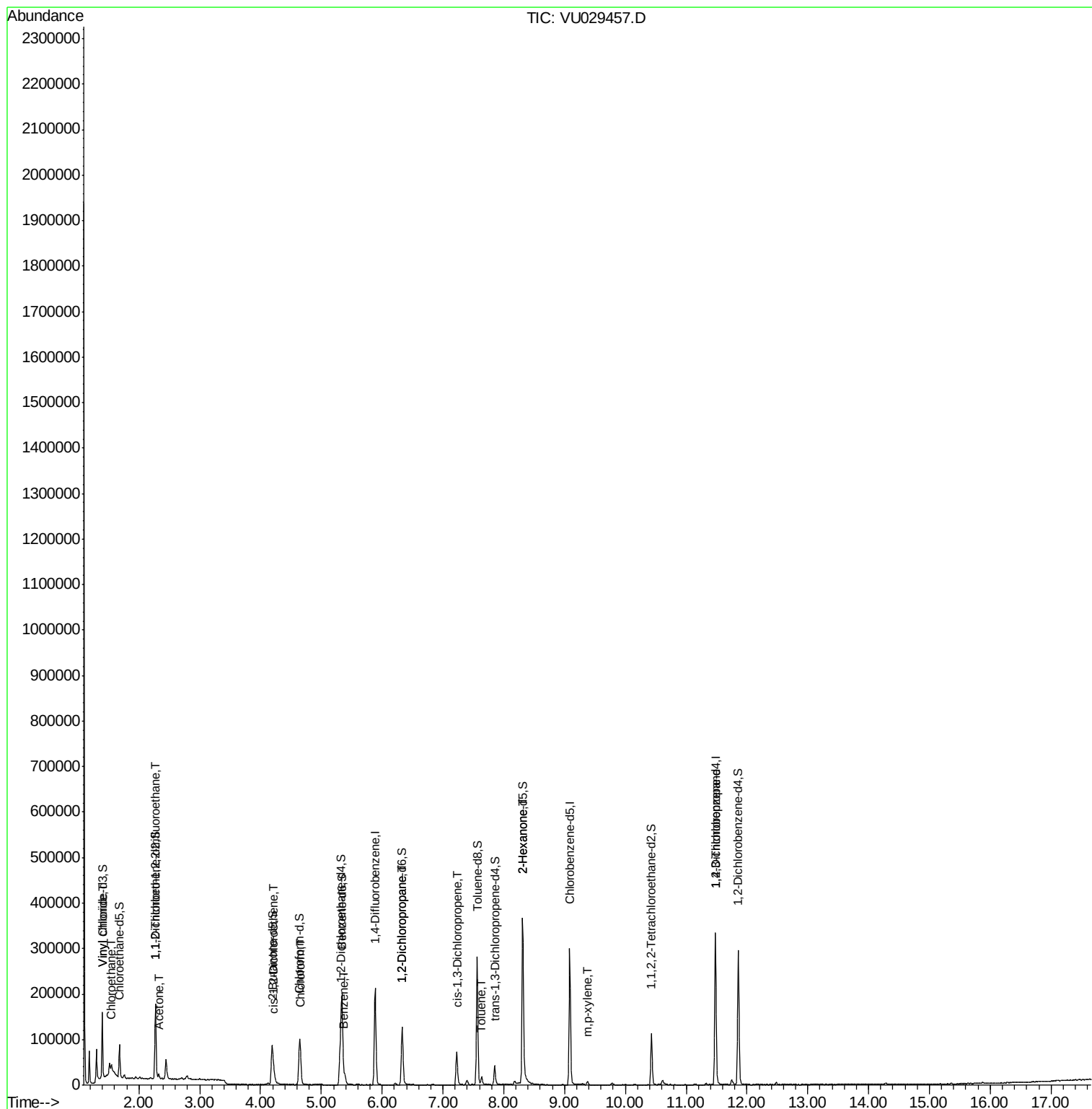
					Qvalue	
5) Vinyl chloride	1.40	62	2740	0.149	ug/L #	1
8) Chloroethane	1.55	64	60799	5.070	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1181	0.071	ug/L #	17
13) Acetone	2.32	43	8319	3.428	ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	2739	0.177	ug/L	98
25) Chloroform	4.67	83	1411	0.056	ug/L	91
33) Benzene	5.38	78	20013	0.385	ug/L	100
37) 1,2-Dichloropropane	6.33	63	6658	0.511	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1888	0.092	ug/L #	76
42) Toluene	7.64	91	13492	0.231	ug/L	95
48) 2-Hexanone	8.31	43	14773	2.699	ug/L #	65
53) m,p-xylene	9.38	106	2353	0.089	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	9685	1.159	ug/L	90

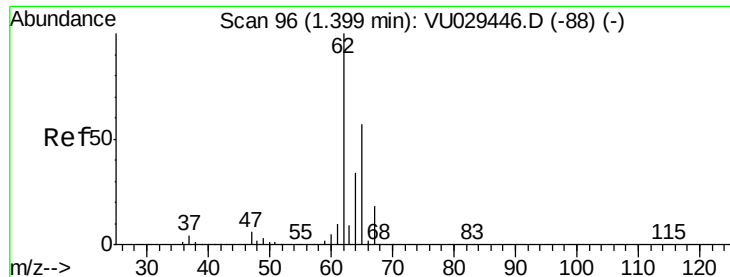
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.149 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

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Acq: 14 Feb 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

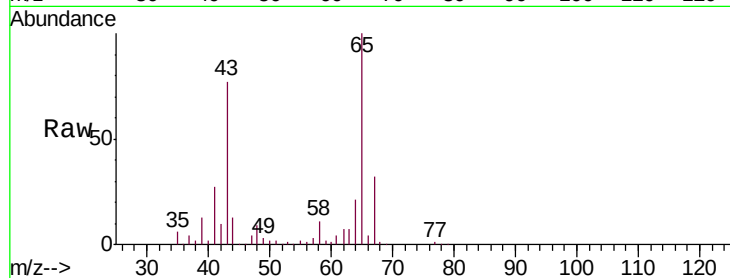
ESXB0

Tgt Ion: 62 Resp: 2740

Ion Ratio Lower Upper

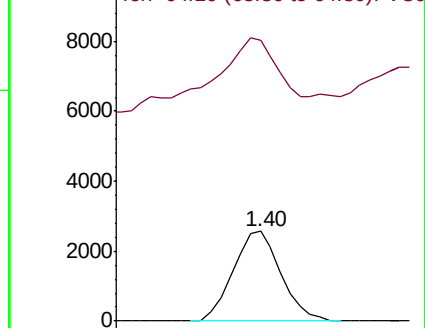
62 100

64 312.3 23.5 43.7#

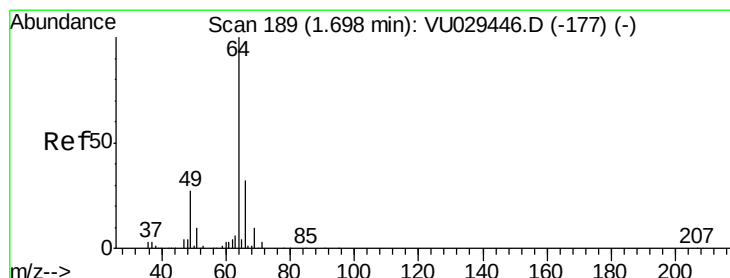
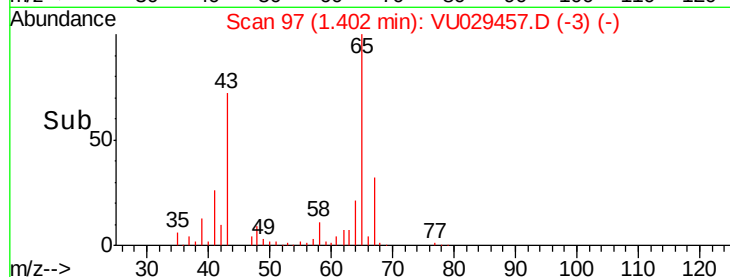


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time--> 1.36 1.38 1.40 1.42 1.44



#8

Chloroethane

Concen: 5.070 ug/L

RT: 1.55 min Scan# 142

Delta R.T. -0.15 min

Lab File: VU029457.D

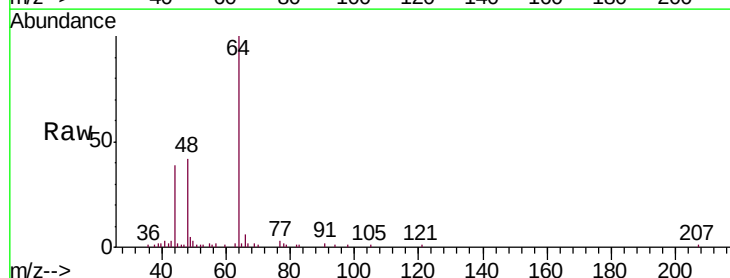
Acq: 14 Feb 2019 14:59

Tgt Ion: 64 Resp: 60799

Ion Ratio Lower Upper

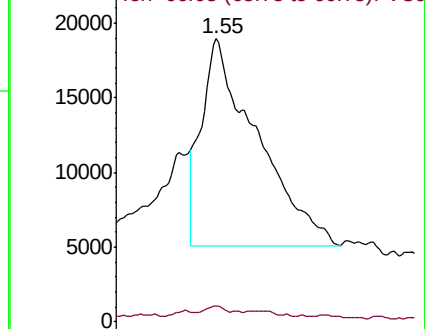
64 100

66 5.7 22.0 40.8#

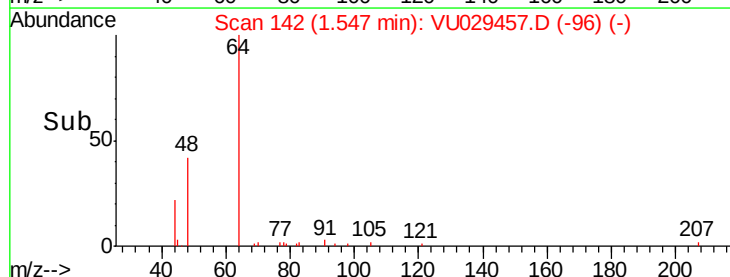


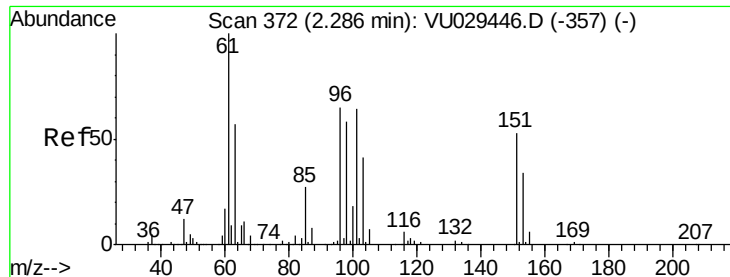
Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time--> 1.50 1.60 1.70





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.071 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

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ClientSampleId :

ESXB0

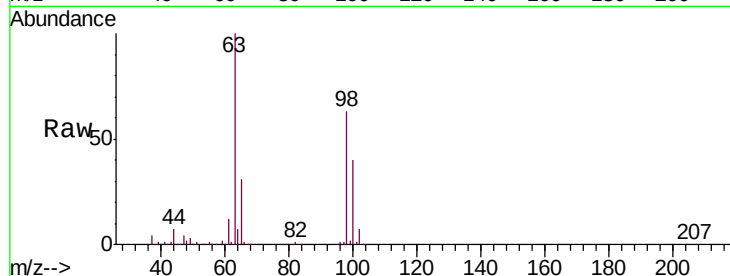
Tgt Ion:101 Resp: 1181

Ion Ratio Lower Upper

101 100

85 1.7 35.1 52.7#

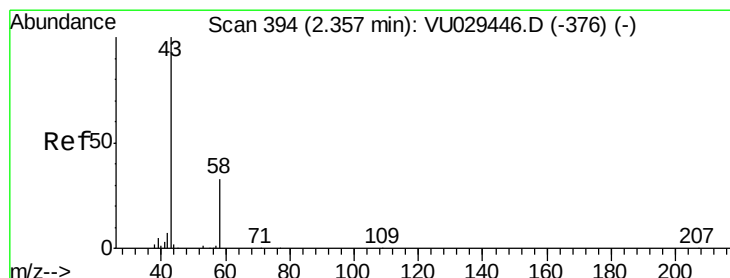
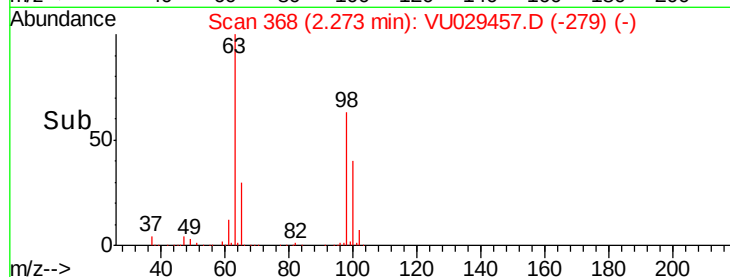
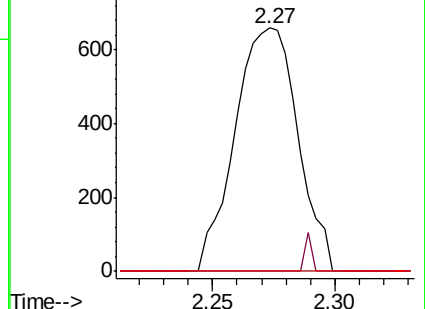
151 0.0 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.428 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.03 min

Lab File: VU029457.D

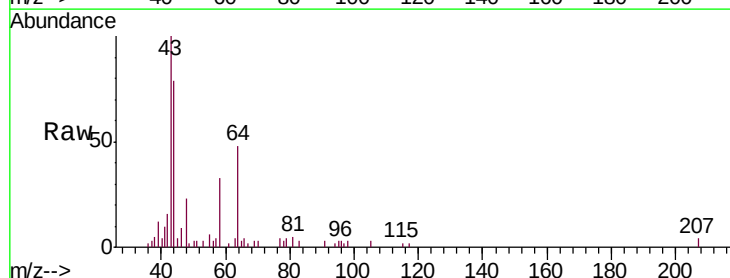
Acq: 14 Feb 2019 14:59

Tgt Ion: 43 Resp: 8319

Ion Ratio Lower Upper

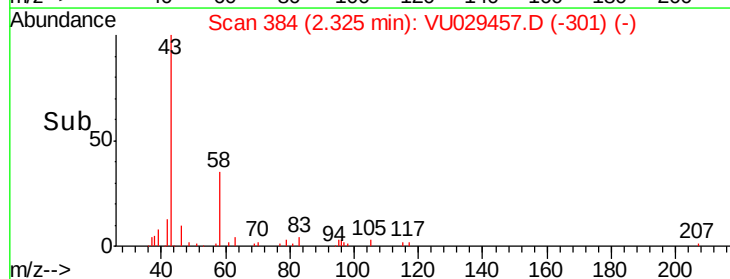
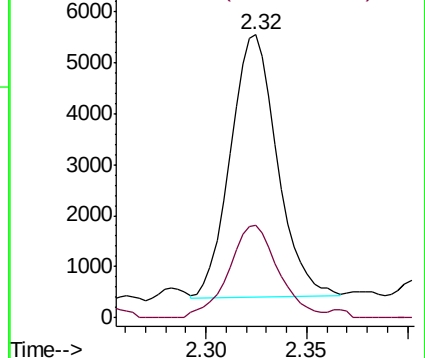
43 100

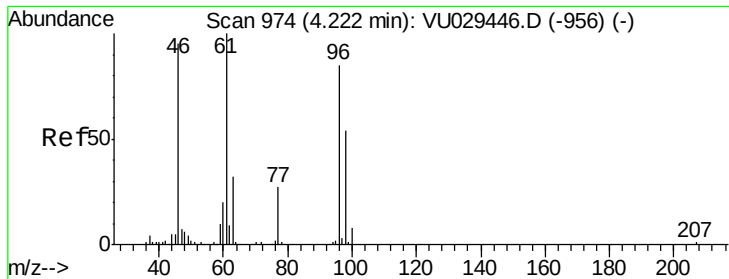
58 37.6 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



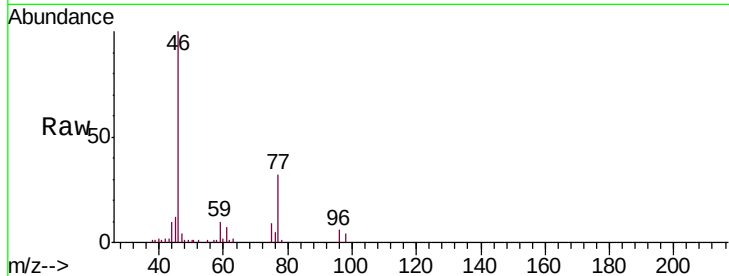


#22

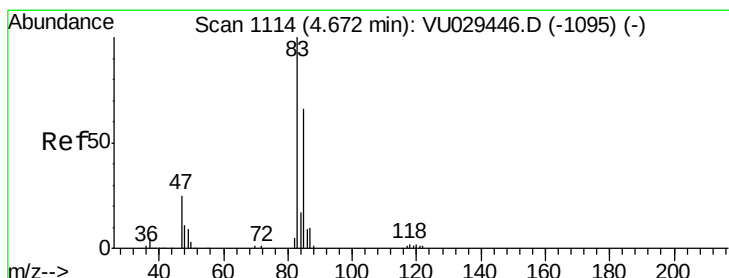
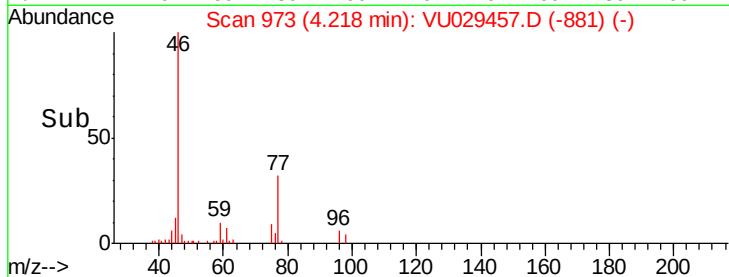
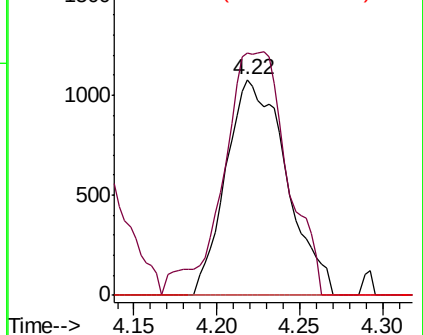
cis-1,2-Dichloroethene
 Concen: 0.177 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU029457.D
 Acq: 14 Feb 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB0

Tgt Ion: 96 Resp: 2739
 Ion Ratio Lower Upper
 96 100
 61 112.5 79.9 148.5
 68 0.0 0.0 0.0



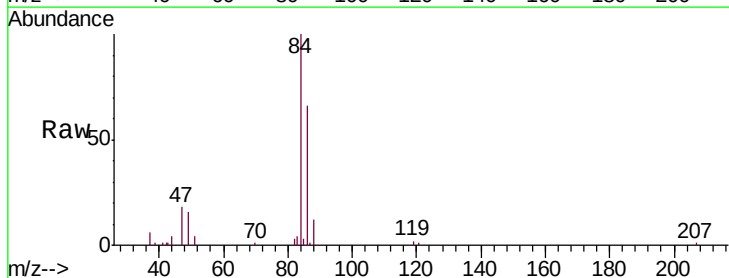
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



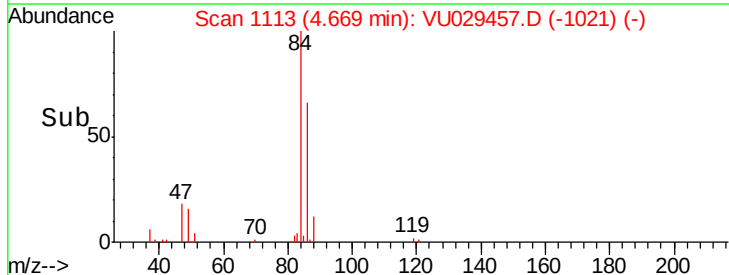
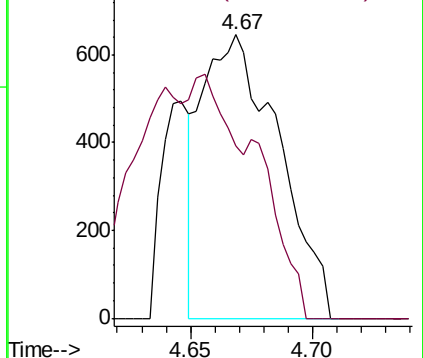
#25

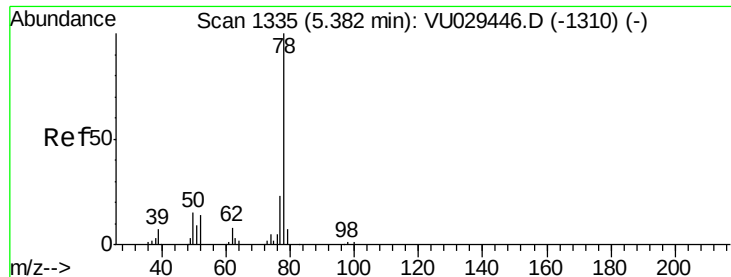
Chloroform
 Concen: 0.056 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU029457.D
 Acq: 14 Feb 2019 14:59

Tgt Ion: 83 Resp: 1411
 Ion Ratio Lower Upper
 83 100
 85 61.0 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.385 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029457.D

Acq: 14 Feb 2019 14:59

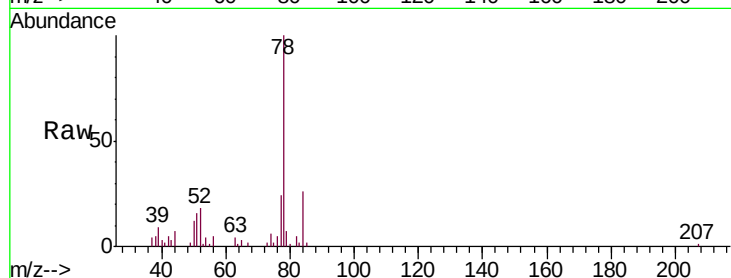
Instrument :

MSVOA_U

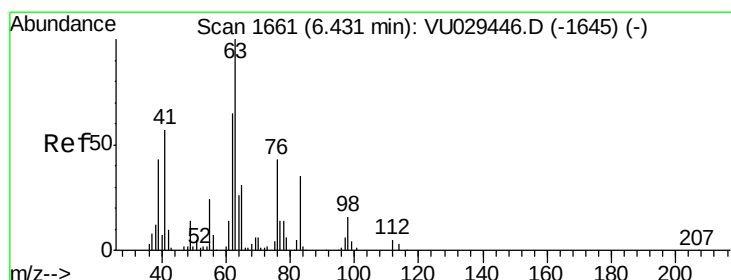
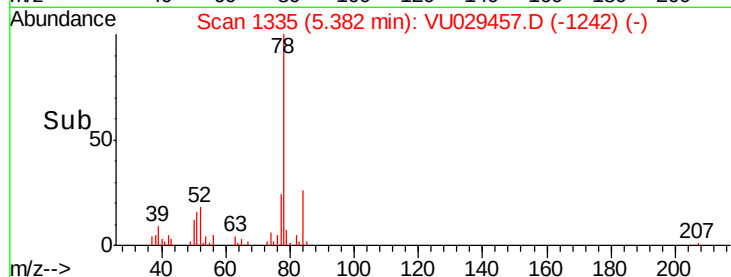
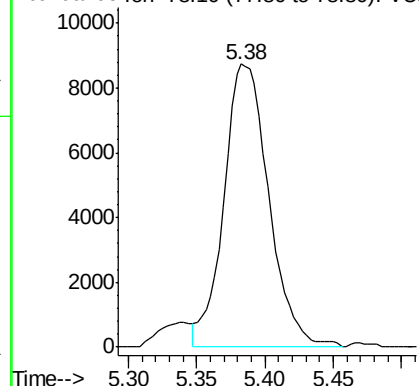
ClientSampleId :

ESXB0

Tgt Ion: 78 Resp: 20013



Abundance Ion 78.10 (77.80 to 78.80): VU0



#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.33 min Scan# 1631

Delta R.T. -0.10 min

Lab File: VU029457.D

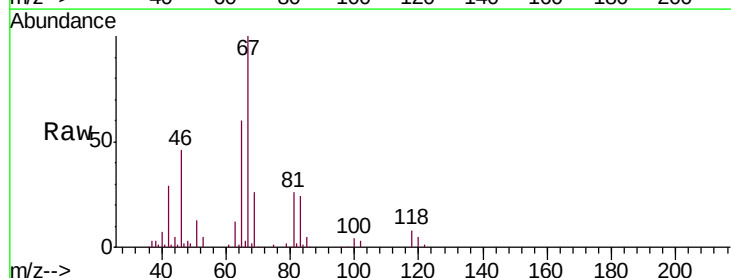
Acq: 14 Feb 2019 14:59

Tgt Ion: 63 Resp: 6658

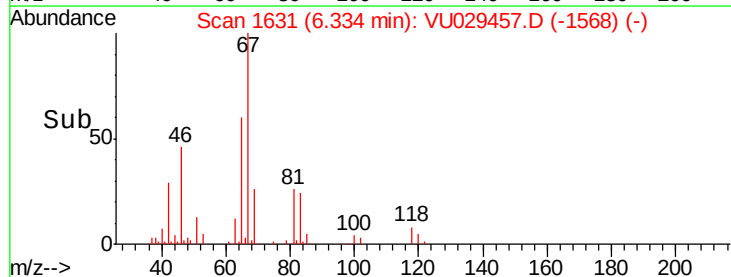
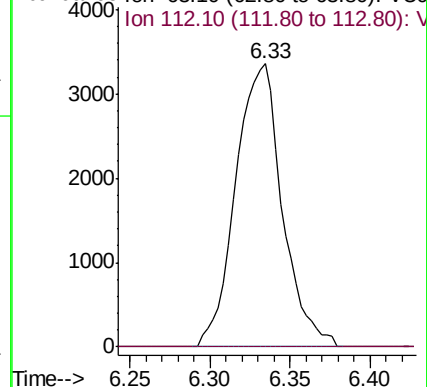
Ion Ratio Lower Upper

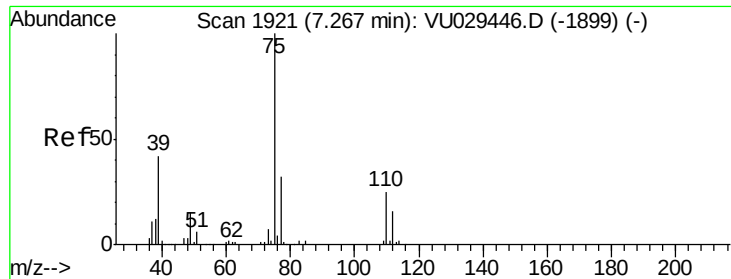
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029457.D

Acq: 14 Feb 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

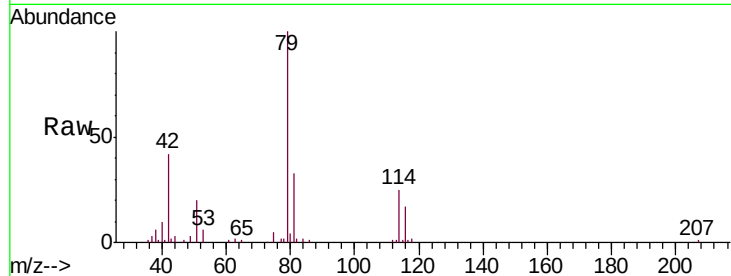
ESXB0

Tgt Ion: 75 Resp: 1888

Ion Ratio Lower Upper

75 100

77 45.3 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

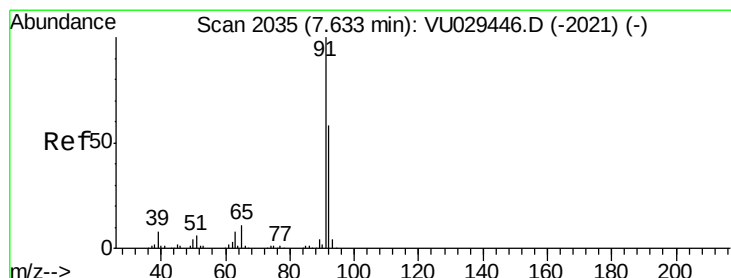
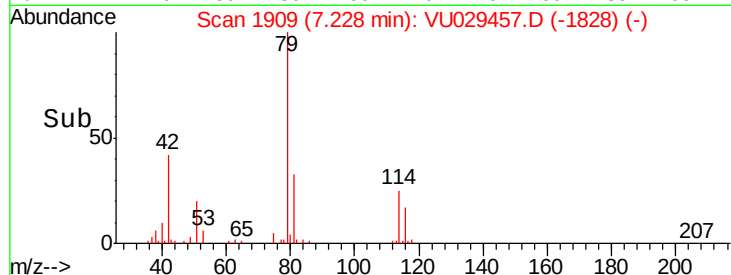
7.23

1000

500

0

Time-->



#42

Toluene

Concen: 0.231 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029457.D

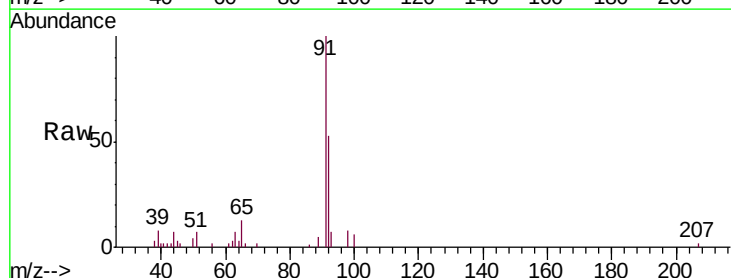
Acq: 14 Feb 2019 14:59

Tgt Ion: 91 Resp: 13492

Ion Ratio Lower Upper

91 100

92 52.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

8000

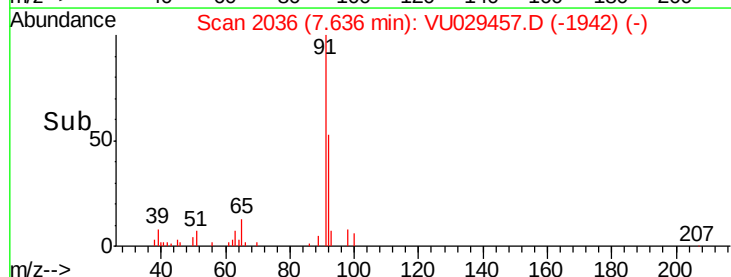
6000

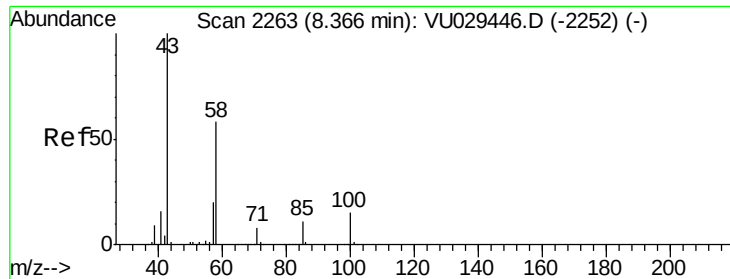
4000

2000

0

Time-->

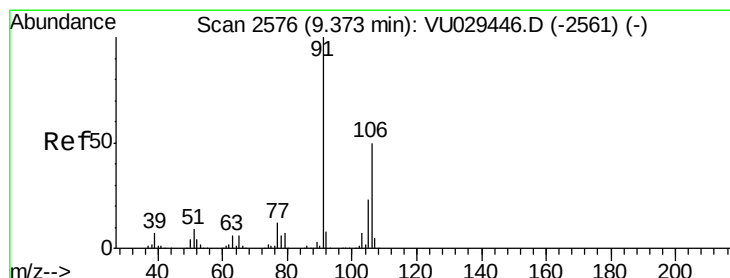
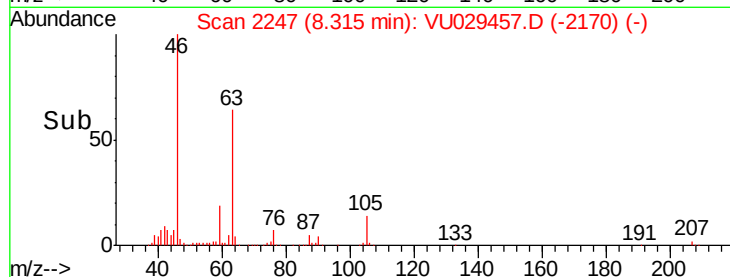
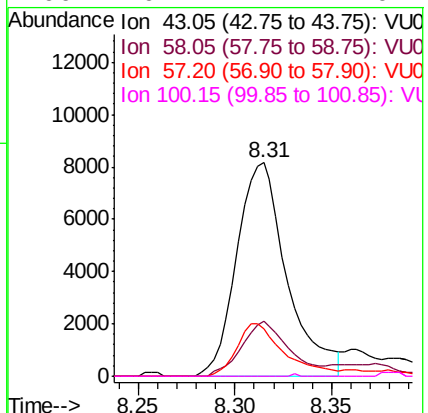
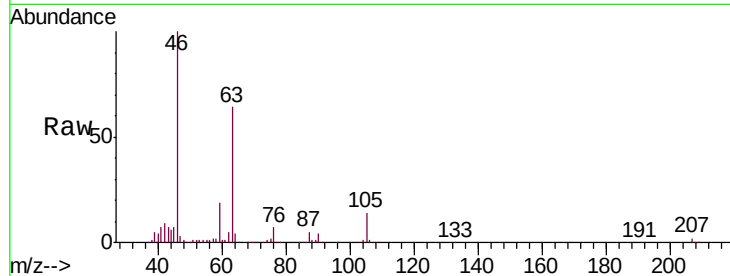




#48
2-Hexanone
Concen: 2.699 ug/L
RT: 8.31 min Scan# 2247
Delta R.T. -0.05 min
Lab File: VU029457.D
Acq: 14 Feb 2019 14:59

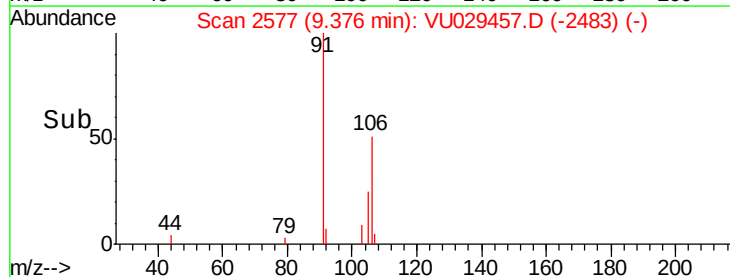
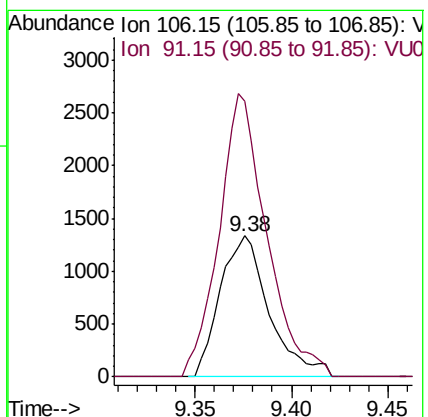
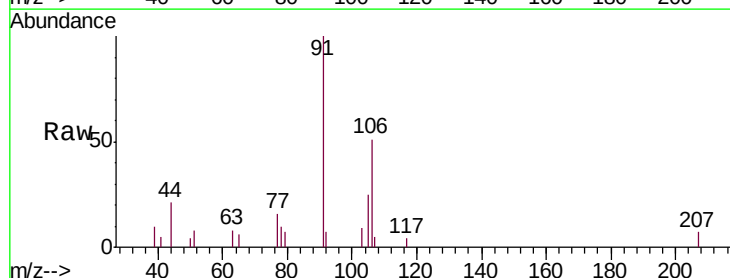
Instrument :
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ESXB0

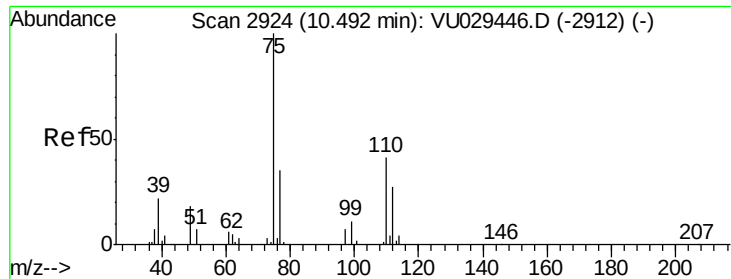
Tgt Ion: 43 Resp: 14773
Ion Ratio Lower Upper
43 100
58 23.9 45.7 68.5#
57 23.2 16.4 24.6
100 0.1 11.1 16.7#



#53
m,p-xylene
Concen: 0.089 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU029457.D
Acq: 14 Feb 2019 14:59

Tgt Ion: 106 Resp: 2353
Ion Ratio Lower Upper
106 100
91 195.7 135.7 251.9





#59
 1,2,3-Trichloropropane
 Concen: 1.159 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029457.D
 Acq: 14 Feb 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXB0

Tgt Ion: 75 Resp: 9685
 Ion Ratio Lower Upper
 75 100
 77 40.9 28.2 42.2

