

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040446.D
 Acq On : 02 Oct 2020 01:43
 Operator : SY/MD
 Sample : L4209-02-
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS8

Quant Time: Oct 02 05:30:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	136794	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	134165	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61396	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	1.92	69	25003	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	1319	0.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1.60%#
20) 2-Butanone-d5	4.66	46	181849	54.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	5.09	84	72432	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	46065	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.75	84	126161	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	47331	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	312	0.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.20%#
43) trans-1,3-Dichloropropene-	0.00	79	0	0.00	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.00%#
46) 2-Hexanone-d5	8.64	63	123552	52.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45242	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50947	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

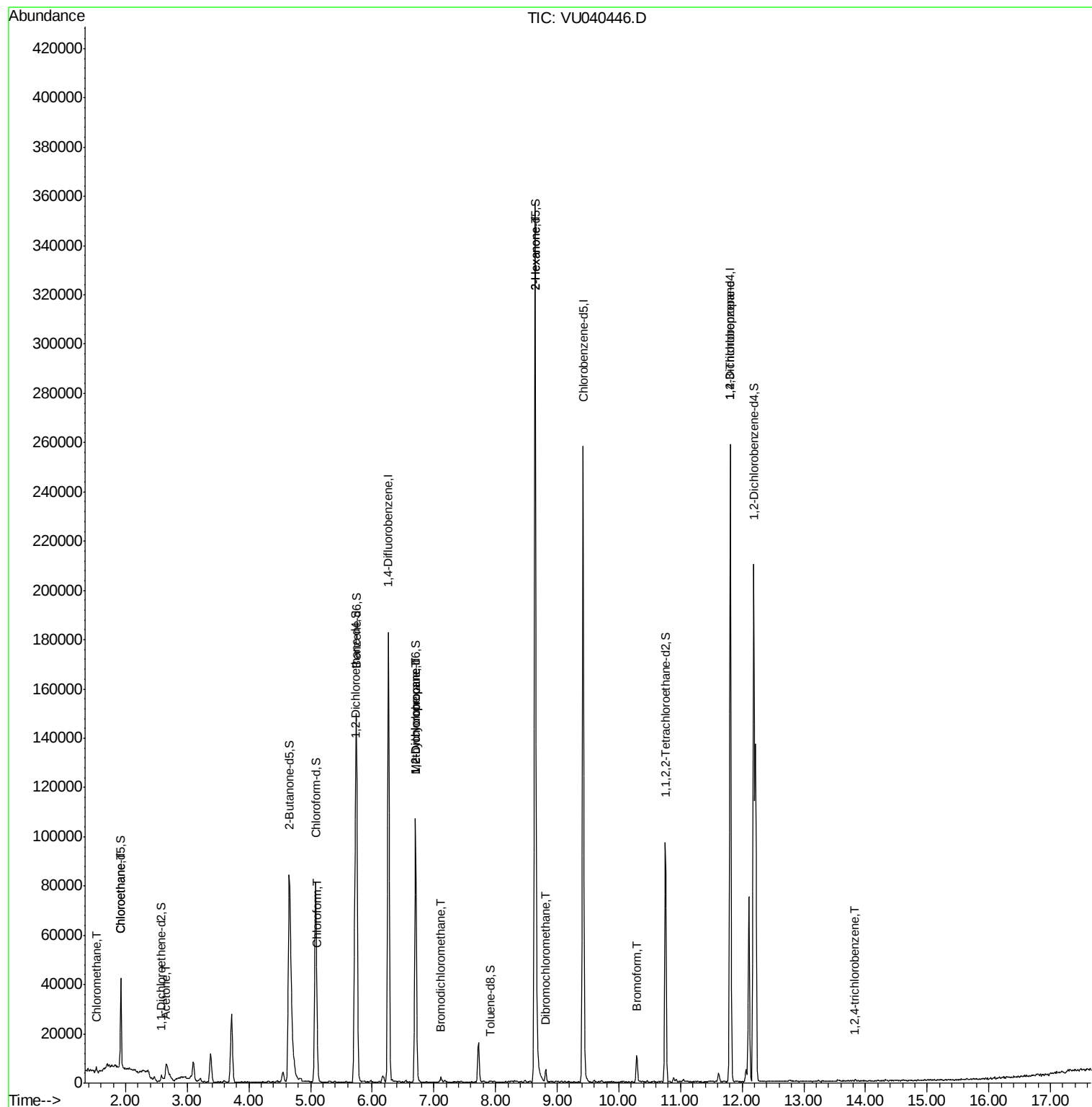
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1914	0.142	ug/L	88
8) Chloroethane	1.93	64	327	0.042	ug/L #	58
13) Acetone	2.66	43	17178	6.128	ug/L	91
25) Chloroform	5.11	83	3351	0.149	ug/L	91
35) Methylcyclohexane	6.70	83	10614	0.606	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	5436	0.434	ug/L #	88
38) Bromodichloromethane	7.11	83	1563	0.101	ug/L #	96
48) 2-Hexanone	8.64	43	16904	2.338	ug/L #	71
49) Dibromochloromethane	8.82	129	2617	0.256	ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	8797	0.969	ug/L	89
61) Bromoform	10.29	173	4898	0.965	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	423	0.036	ug/L #	83

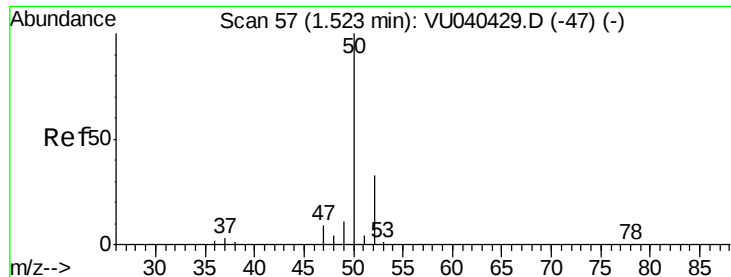
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 05:20:15 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.142 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040446.D

Acq: 02 Oct 2020 01:43

Instrument :

MSVOA_U

ClientSampleId :

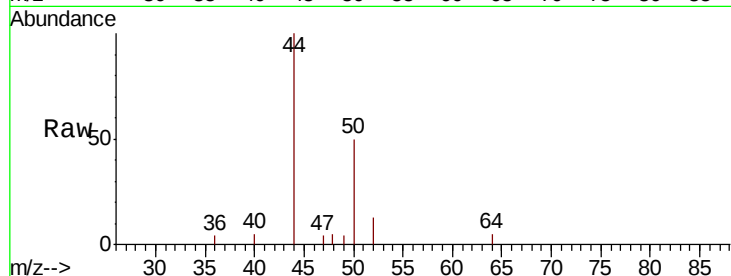
JLWS8

Tot Ion: 50 Resp: 1914

Ion Ratio Lower Upper

50 100

52 26.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

2000

1500

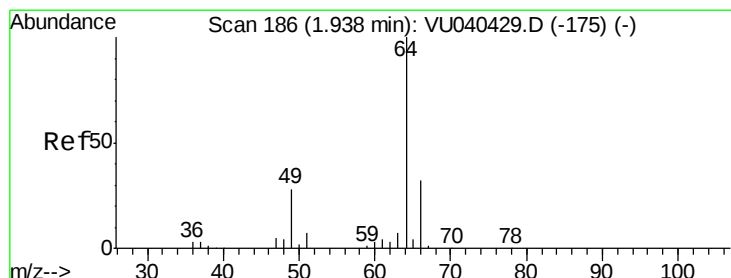
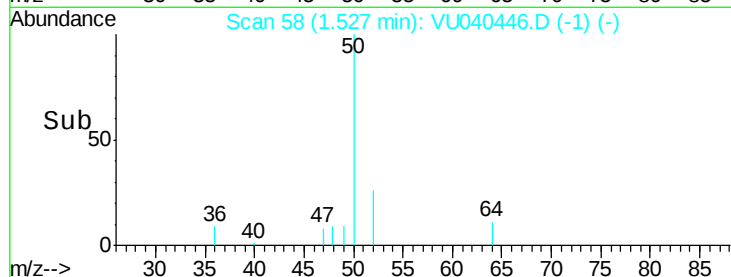
1000

500

0

Time-->

1.50 1.52 1.54 1.56



#8

Chloroethane

Concen: 0.042 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU040446.D

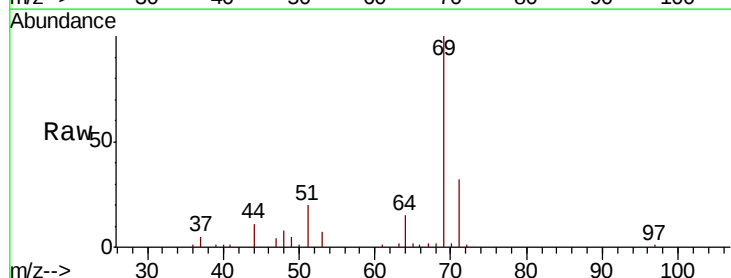
Acq: 02 Oct 2020 01:43

Tgt Ion: 64 Resp: 327

Ion Ratio Lower Upper

64 100

66 7.6 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.93

3000

2500

2000

1500

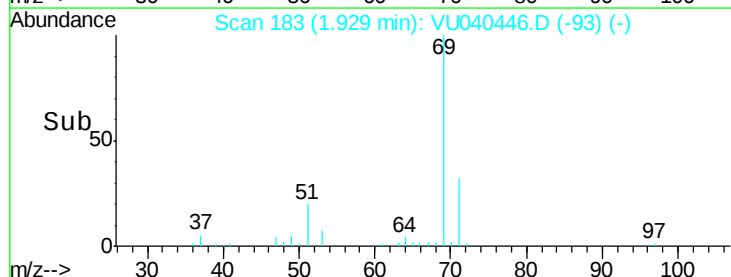
1000

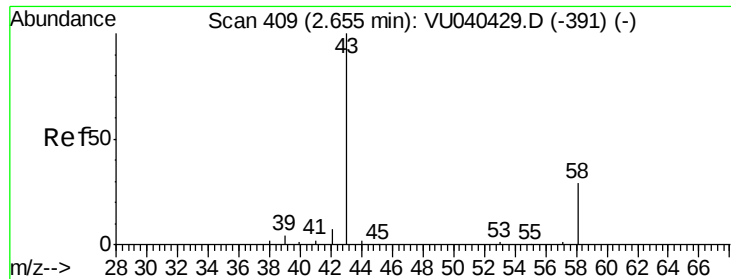
500

0

Time-->

1.90 1.92 1.94





#13

Acetone

Concen: 6.128 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU040446.D

Acq: 02 Oct 2020 01:43

Instrument :

MSVOA_U

ClientSampleId :

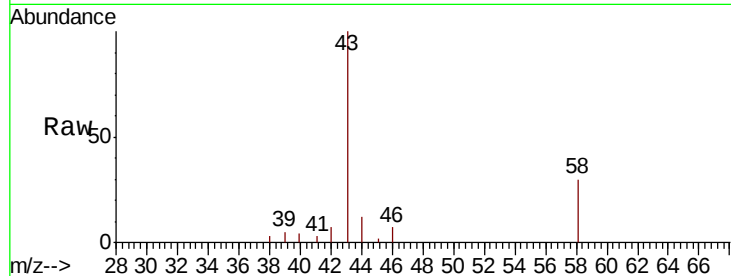
JLWS8

Tot Ion: 43 Resp: 17178

Ion Ratio Lower Upper

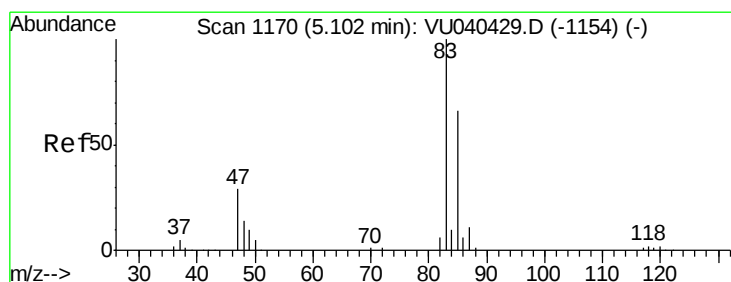
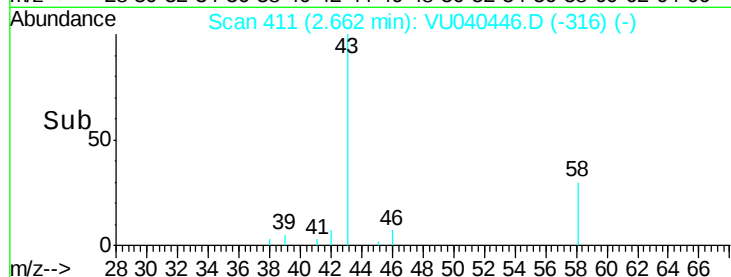
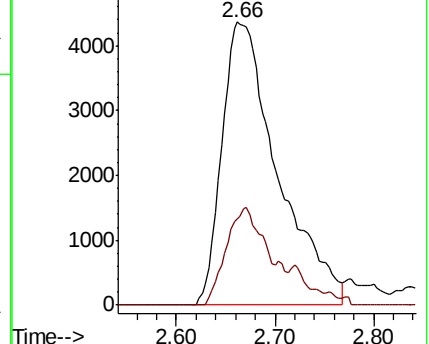
43 100

58 25.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040429.D (-391) (-)

Ion 58.05 (57.75 to 58.75): VU040429.D (-391) (-)



#25

Chloroform

Concen: 0.149 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU040446.D

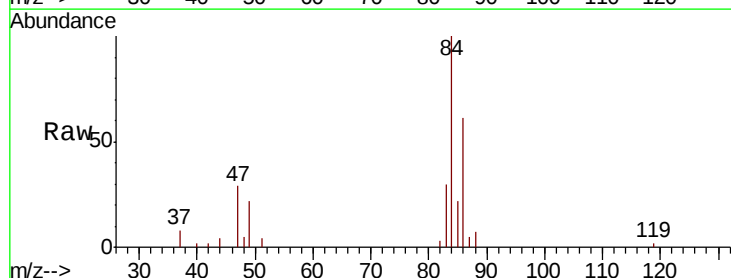
Acq: 02 Oct 2020 01:43

Tgt Ion: 83 Resp: 3351

Ion Ratio Lower Upper

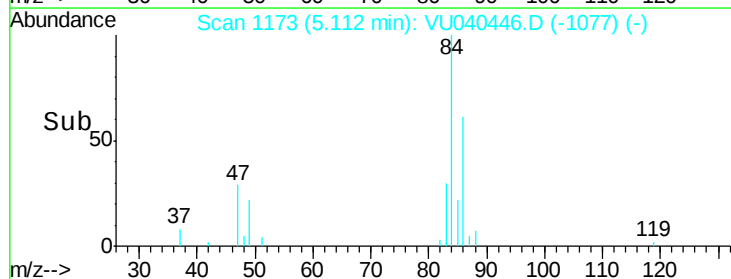
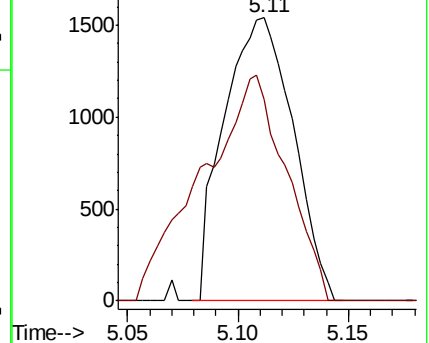
83 100

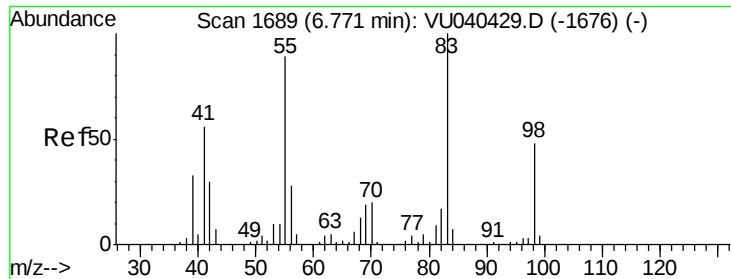
85 71.0 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040429.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040429.D (-1154) (-)

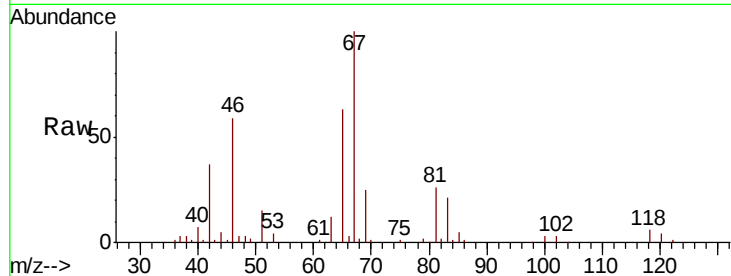




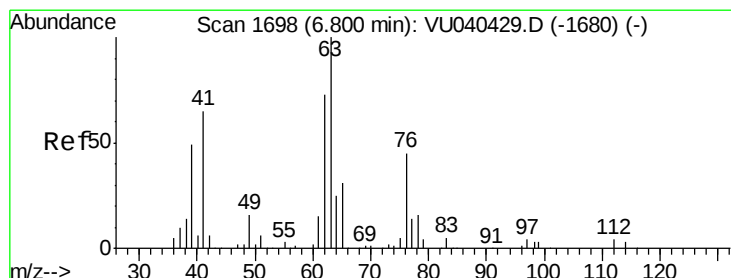
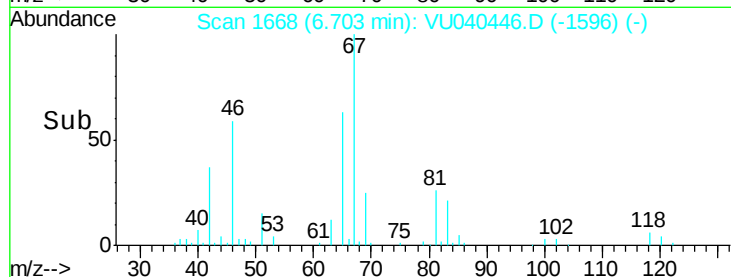
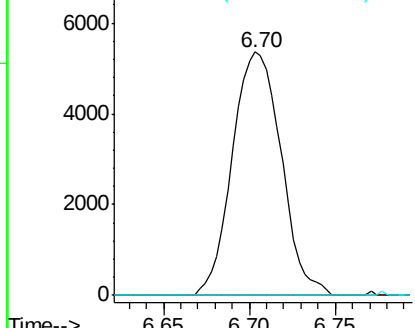
#35
Methvlcvclohexane
Concen: 0.606 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040446.D
Acq: 02 Oct 2020 01:43

Instrument :
MSVOA_U
ClientSampled :
JLWS8

Tot Ion: 83 Resp: 10614
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.2 38.5 57.7#

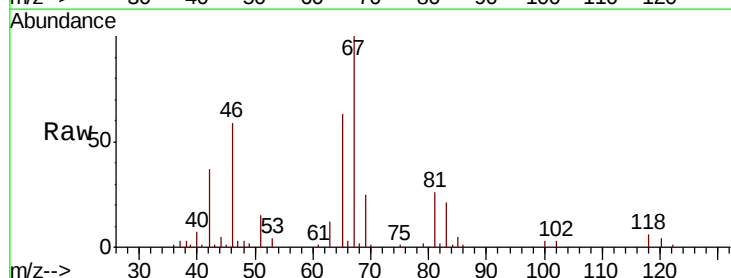


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

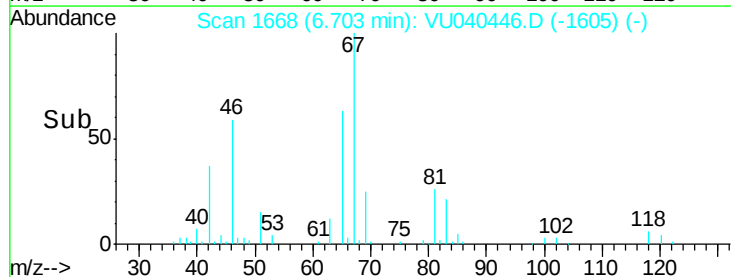
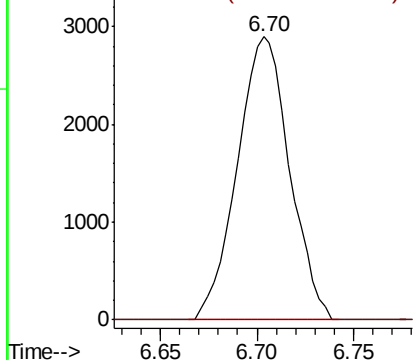


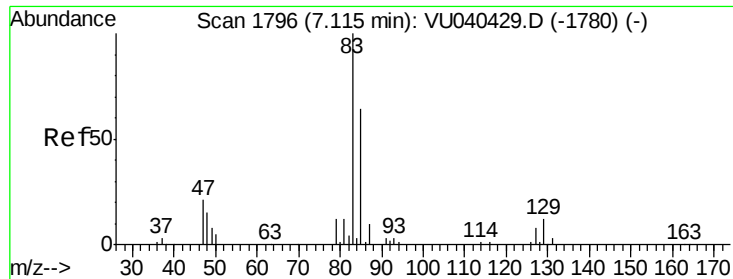
#37
1,2-Dichloropropane
Concen: 0.434 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040446.D
Acq: 02 Oct 2020 01:43

Tgt Ion: 63 Resp: 5436
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

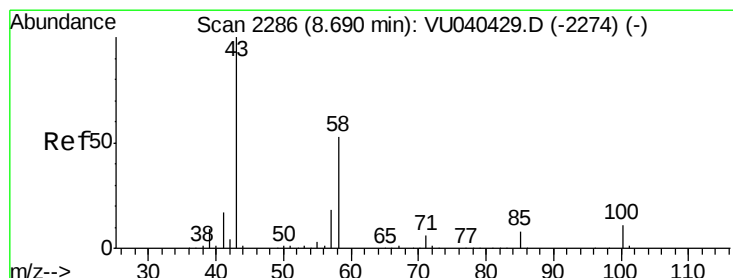
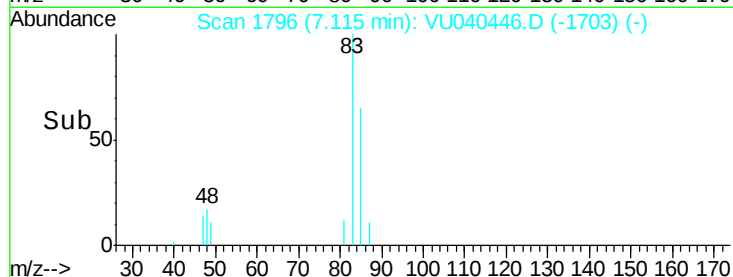
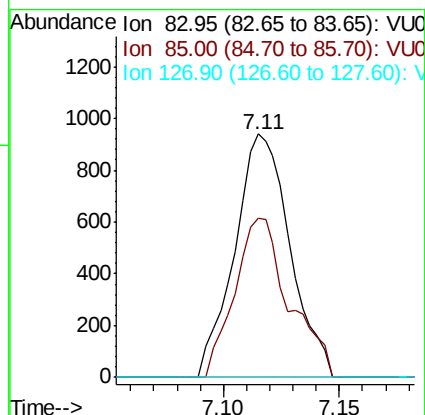
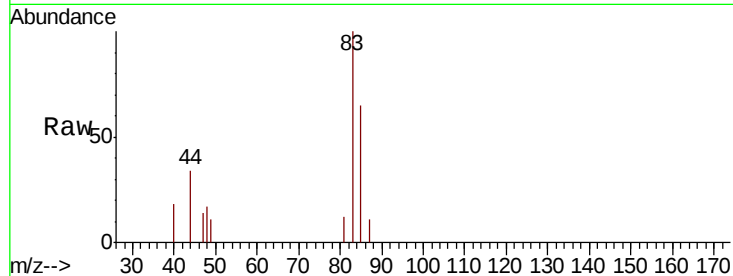




#38
 Bromodichloromethane
 Concen: 0.101 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040446.D
 Acq: 02 Oct 2020 01:43

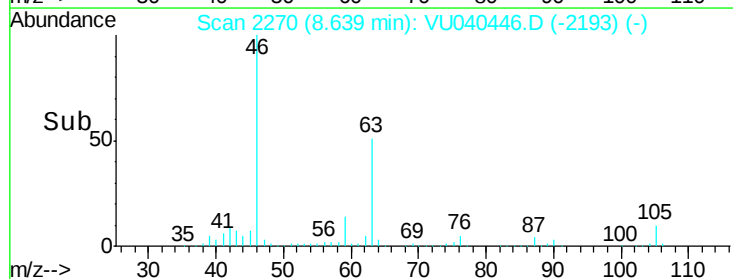
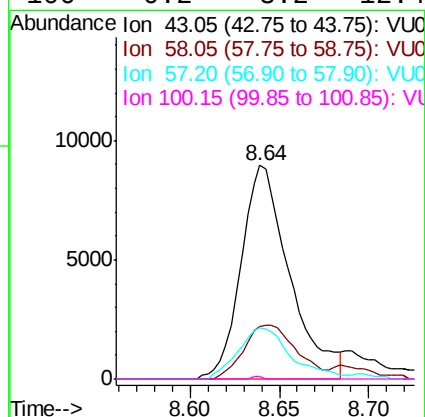
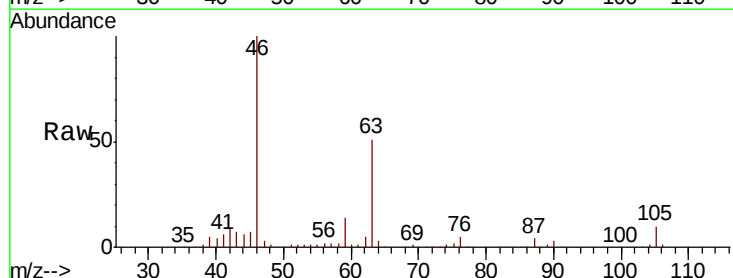
Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS8

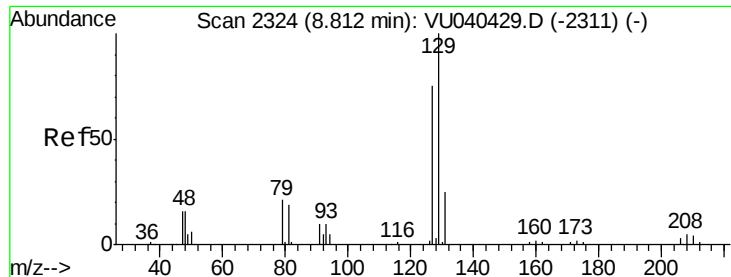
Tot Ion: 83 Resp: 1563
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.9
 127 0.0 6.6 9.8#



#48
 2-Hexanone
 Concen: 2.338 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU040446.D
 Acq: 02 Oct 2020 01:43

Tgt Ion: 43 Resp: 16904
 Ion Ratio Lower Upper
 43 100
 58 27.7 41.0 61.4#
 57 26.1 14.6 22.0#
 100 0.2 8.2 12.4#





#49

Dibromochloromethane

Concen: 0.256 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040446.D

Acq: 02 Oct 2020 01:43

Instrument :

MSVOA_U

ClientSampleId :

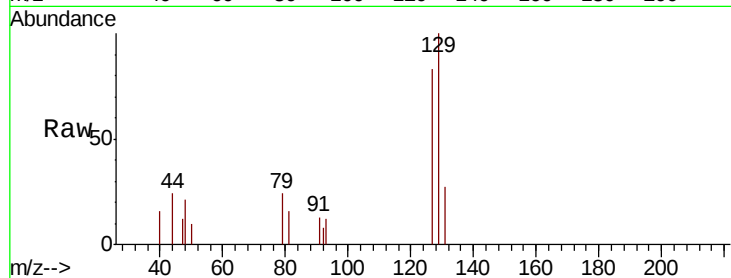
JLWS8

Tot Ion:129 Resp: 2617

Ion Ratio Lower Upper

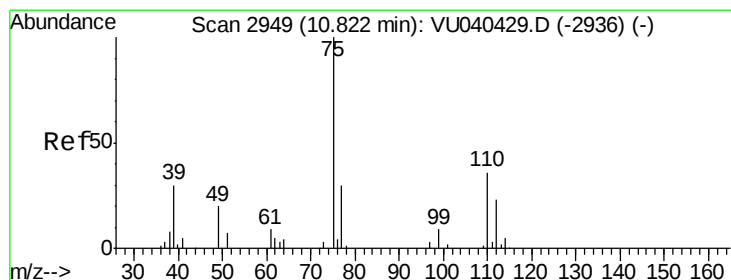
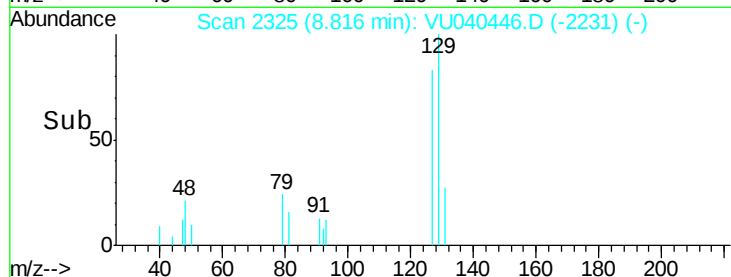
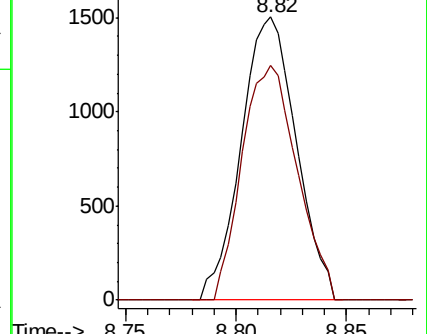
129 100

127 82.8 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.969 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040446.D

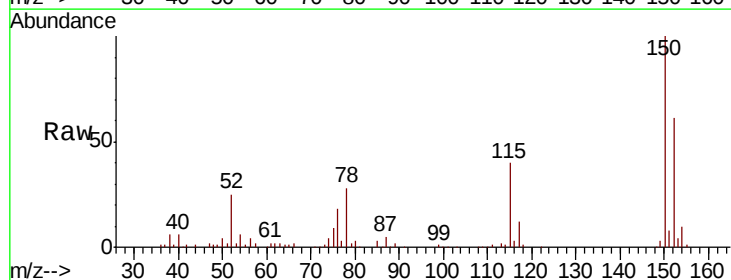
Acq: 02 Oct 2020 01:43

Tgt Ion: 75 Resp: 8797

Ion Ratio Lower Upper

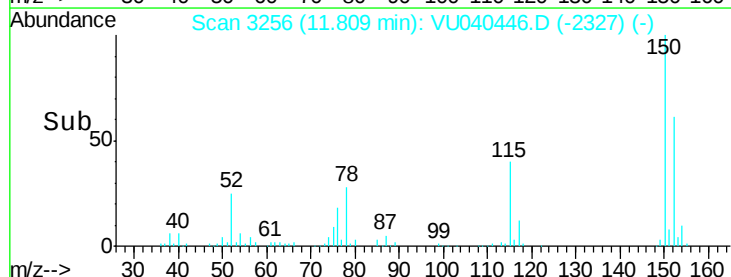
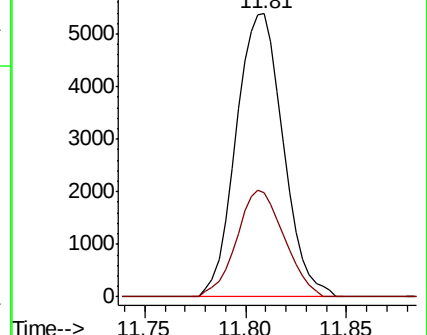
75 100

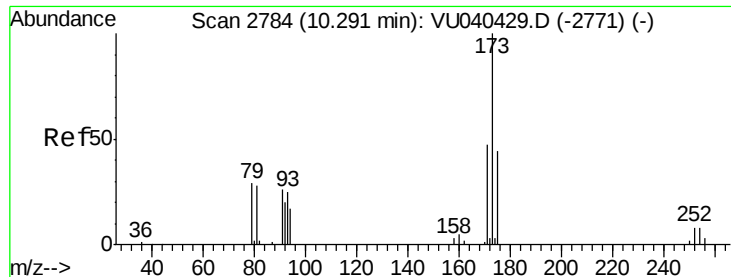
77 38.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#61

Bromoform

Concen: 0.965 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040446.D

Acq: 02 Oct 2020 01:43

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JLWS8

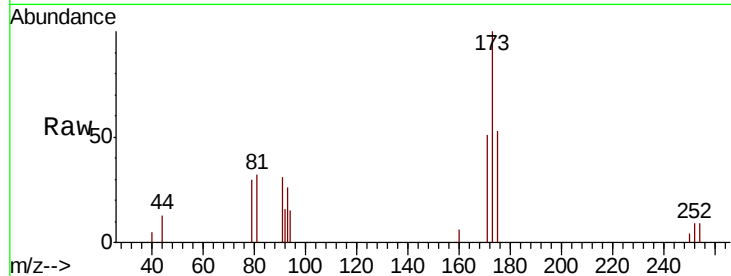
Tot Ion:173 Resp: 4898

Ion Ratio Lower Upper

173 100

175 47.1 39.6 59.4

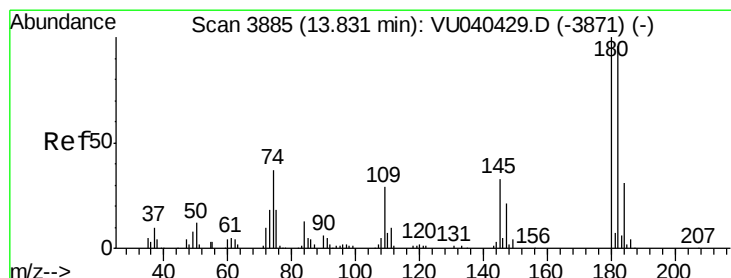
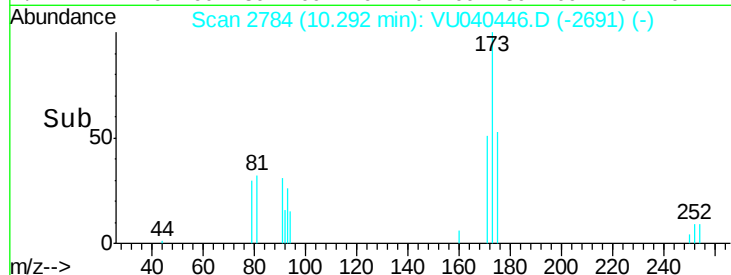
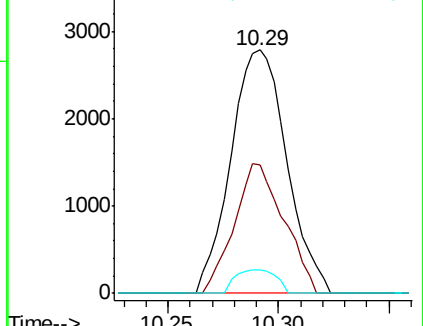
254 7.1 7.0 10.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2,4-trichlorobenzene

Concen: 0.036 ug/L

RT: 13.83 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VU040446.D

Acq: 02 Oct 2020 01:43

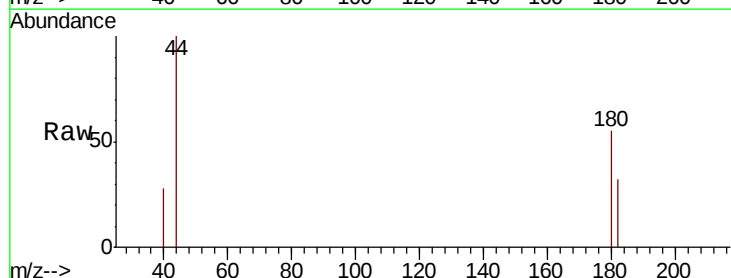
Tgt Ion:180 Resp: 423

Ion Ratio Lower Upper

180 100

182 99.1 76.6 115.0

145 0.0 26.3 39.5#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

