

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038470.D
 Acq On : 01 Jun 2020 14:56
 Operator : JC/MD
 Sample : L2789-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:29:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 05:25:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	297968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	298867	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	136748	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77816	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	73166	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.59	63	123955	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.68	46	346625	59.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.34%
24) Chloroform-d	5.10	84	188958	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.74	65	114497	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.76	84	374130	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.72	67	117849	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.92	98	306829	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.20	79	47750	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.65	63	286938	58.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103719	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	128419	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

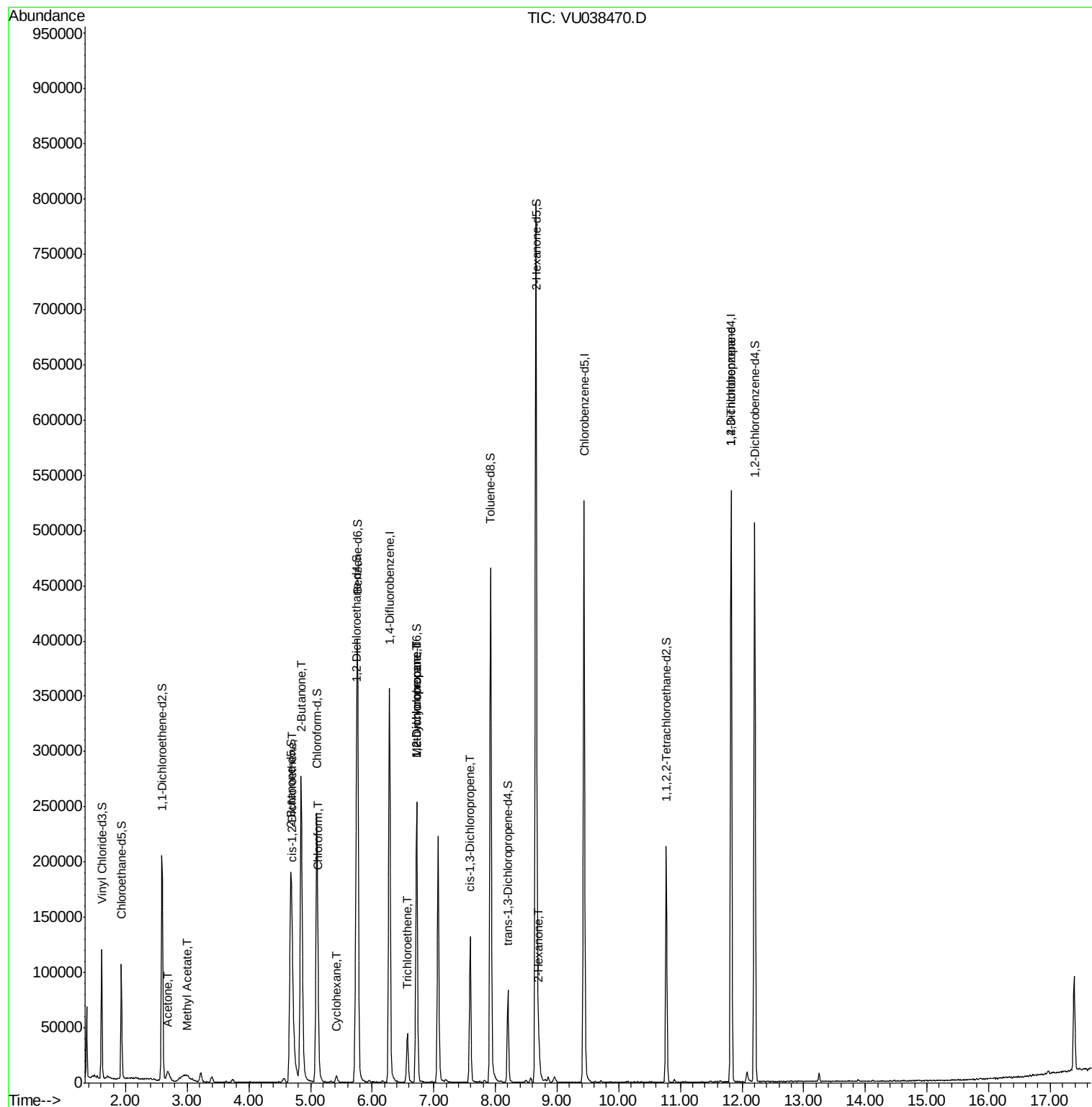
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	20233	5.277	ug/L	94
15) Methyl Acetate	2.99	43	1818	0.194	ug/L #	64
21) 2-Butanone	4.85	43	401153	62.208	ug/L #	50
22) cis-1,2-Dichloroethene	4.71	96	4364	0.205	ug/L	97
25) Chloroform	5.13	83	5759	0.160	ug/L	96
30) Cyclohexane	5.42	56	2375	0.072	ug/L #	89
34) Trichloroethene	6.57	95	14175	0.655	ug/L	97
35) Methylcyclohexane	6.72	83	28409	0.848	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	13529	0.645	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3165	0.102	ug/L #	59
48) 2-Hexanone	8.71	43	15870	1.397	ug/L #	91
59) 1,2,3-Trichloropropane	11.82	75	17785	1.136	ug/L #	87

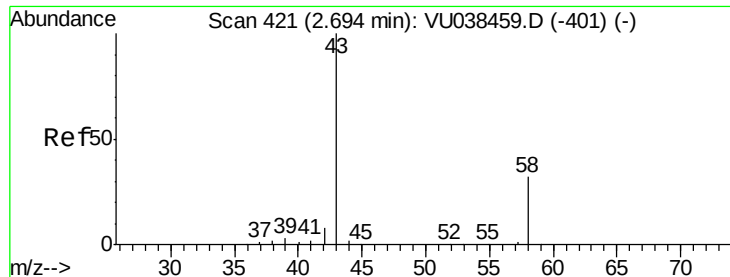
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.277 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038470.D

Acq: 01 Jun 2020 14:56

Instrument :

MSVOA_U

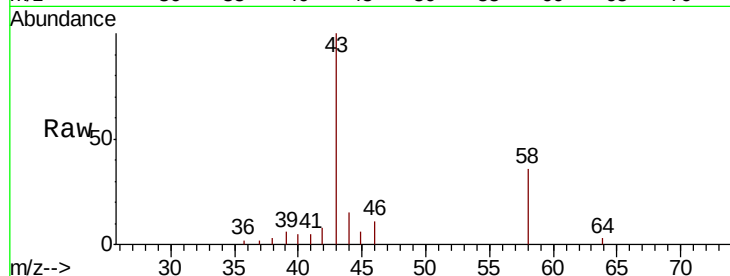
ClientSampleId :

Tot Ion: 43 Resp: 20233

Ion Ratio Lower Upper

43 100

58 29.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038470.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VU038470.D (-328) (-)

2.68

6000

5000

4000

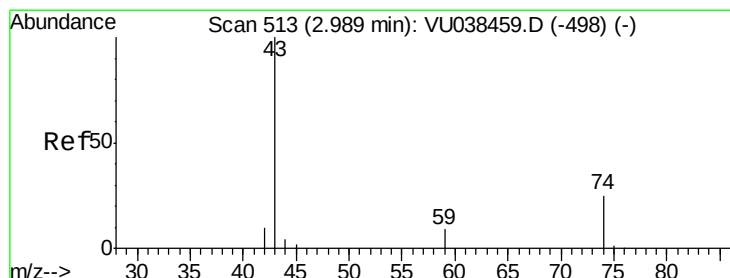
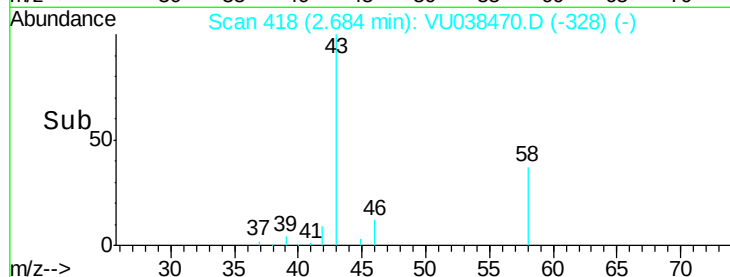
3000

2000

1000

0

Time-->



#15

Methyl Acetate

Concen: 0.194 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU038470.D

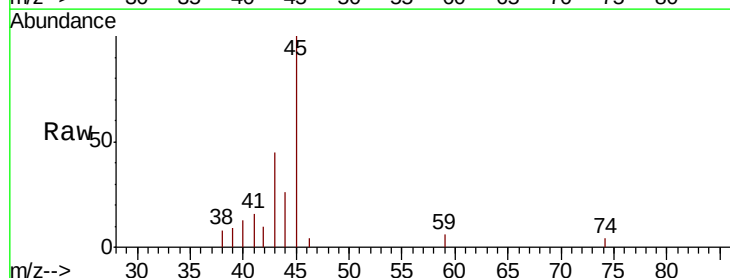
Acq: 01 Jun 2020 14:56

Tgt Ion: 43 Resp: 1818

Ion Ratio Lower Upper

43 100

74 6.3 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038470.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU038470.D (-420) (-)

2.99

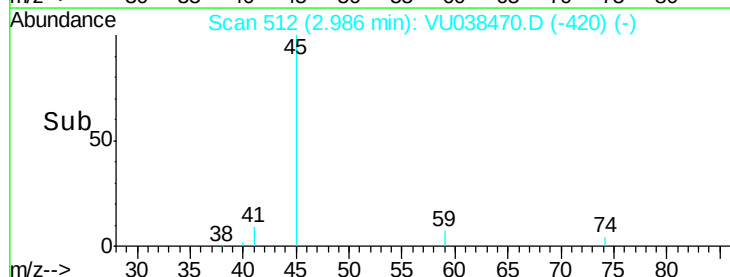
1500

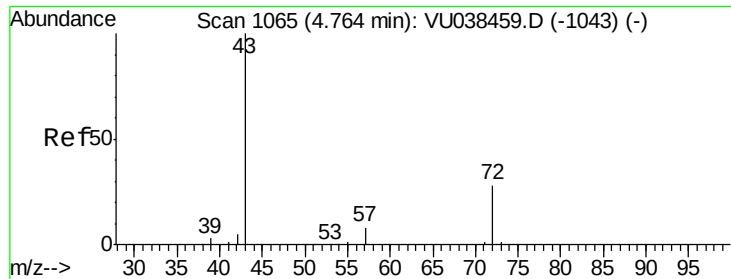
1000

500

0

Time-->





#21

2-Butanone

Concen: 62.208 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.08 min

Lab File: VU038470.D

Acq: 01 Jun 2020 14:56

Instrument :

MSVOA_U

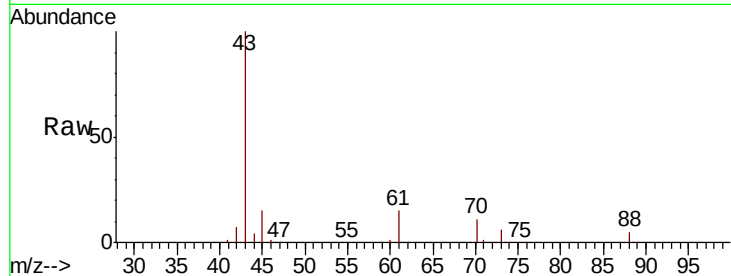
ClientSampleId :

Tot Ion: 43 Resp: 401153

Ion Ratio Lower Upper

43 100

72 0.1 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038470.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU038470.D (-972) (-)

4.85

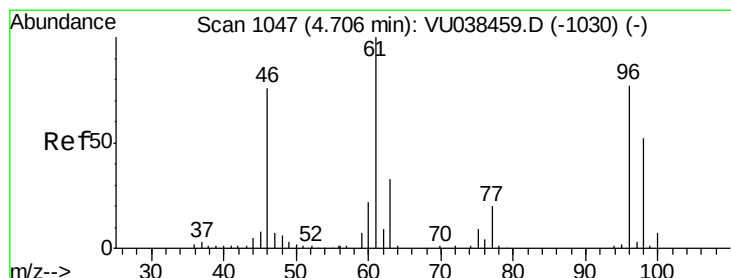
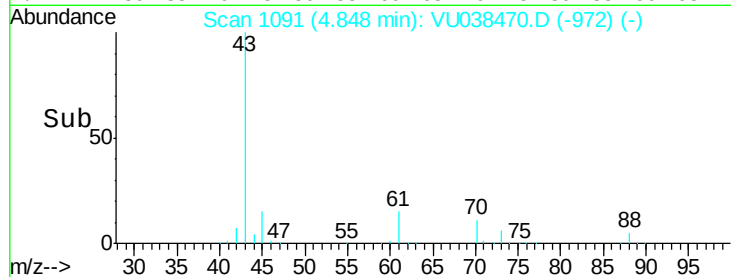
150000

100000

50000

0

Time--> 4.70 4.80 4.90 5.00



#22

cis-1,2-Dichloroethene

Concen: 0.205 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038470.D

Acq: 01 Jun 2020 14:56

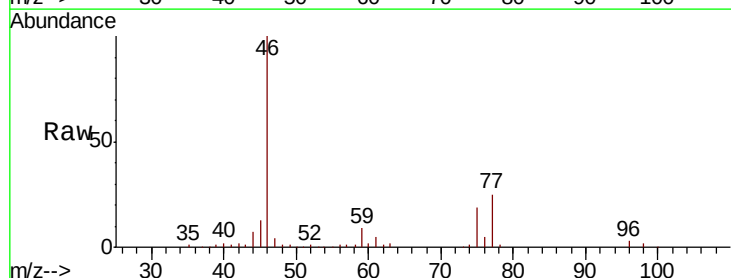
Tgt Ion: 96 Resp: 4364

Ion Ratio Lower Upper

96 100

61 137.4 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038470.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038470.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038470.D (-954) (-)

4.71

4000

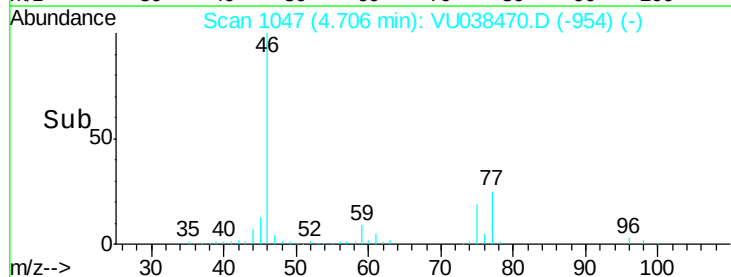
3000

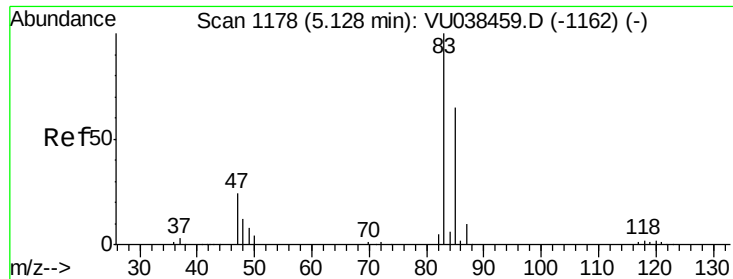
2000

1000

0

Time--> 4.65 4.70 4.75

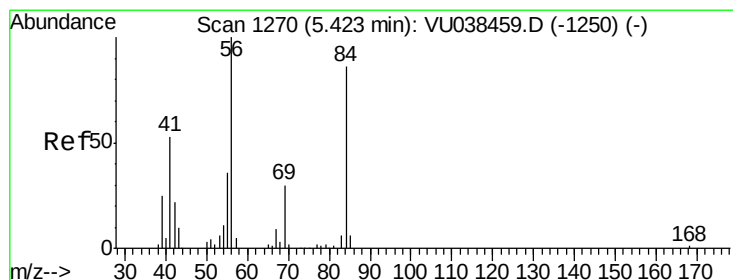
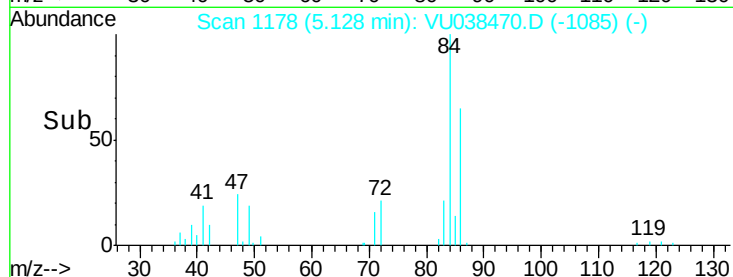
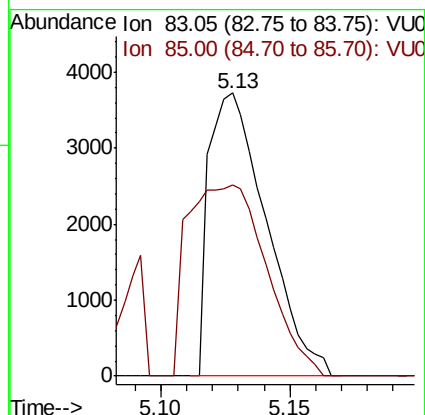
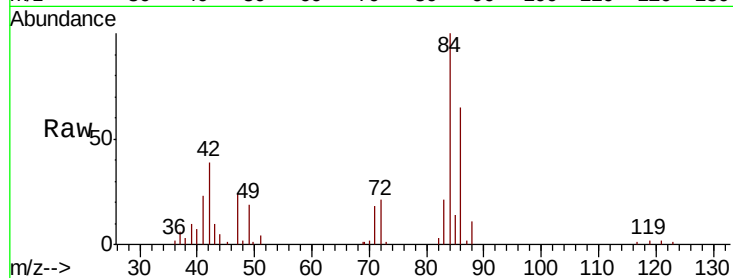




#25
Chloroform
Concen: 0.160 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038470.D
Acq: 01 Jun 2020 14:56

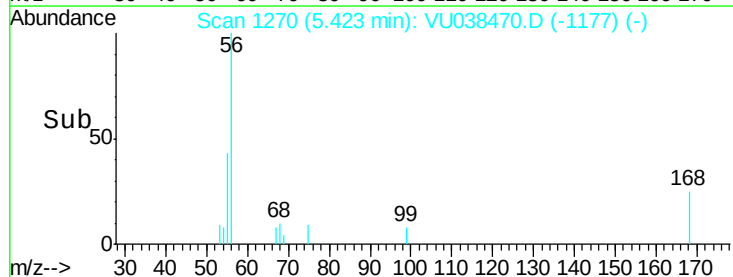
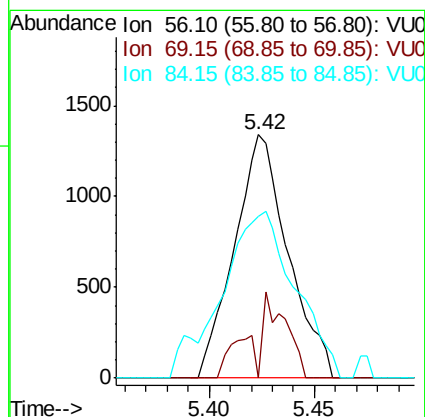
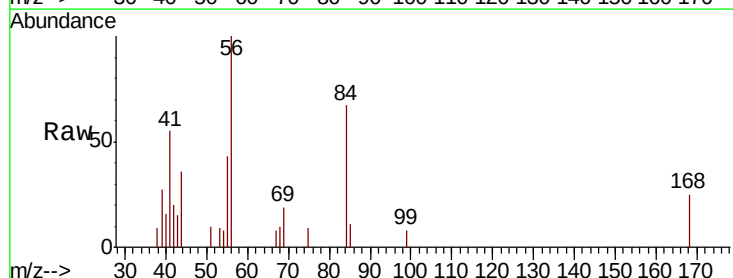
Instrument :
MSVOA_U
ClientSampled :

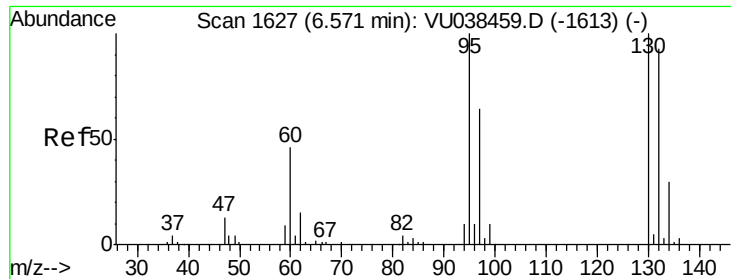
Tot Ion: 83 Resp: 5759
Ion Ratio Lower Upper
83 100
85 67.7 44.9 83.5



#30
Cyclohexane
Concen: 0.072 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038470.D
Acq: 01 Jun 2020 14:56

Tgt Ion: 56 Resp: 2375
Ion Ratio Lower Upper
56 100
69 14.9 24.2 36.4#
84 93.4 70.8 106.2





#34

Trichloroethene

Concen: 0.655 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU038470.D

Acq: 01 Jun 2020 14:56

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 14175

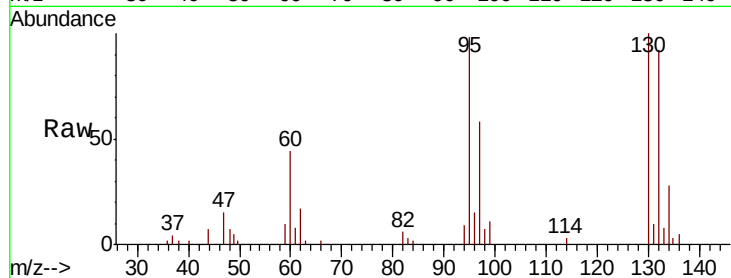
Ion Ratio Lower Upper

95 100

97 59.4 46.8 87.0

132 94.0 66.1 122.7

130 102.2 70.0 130.0

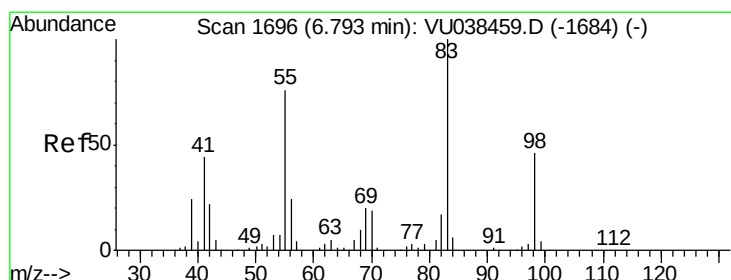
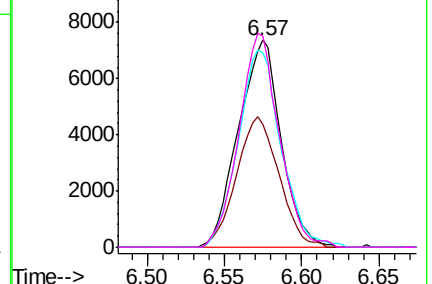
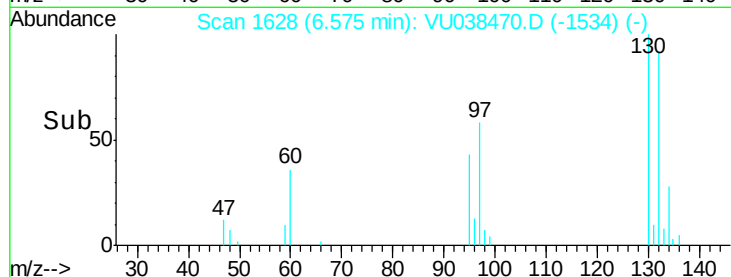


Abundance Ion 95.00 (94.70 to 95.70): VU038470.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038470.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038470.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038470.D (-1534) (-)



#35

Methylcyclohexane

Concen: 0.848 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038470.D

Acq: 01 Jun 2020 14:56

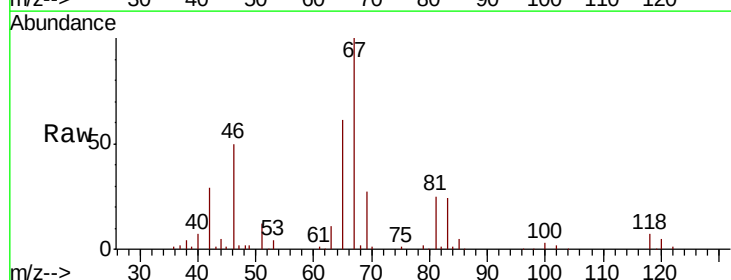
Tgt Ion: 83 Resp: 28409

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

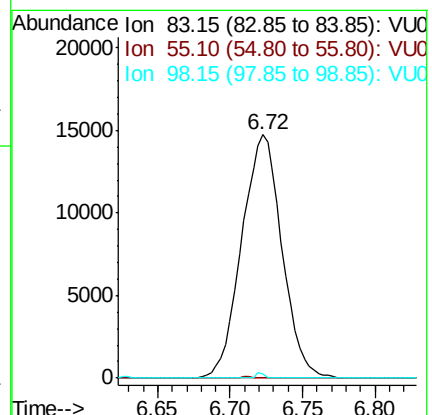
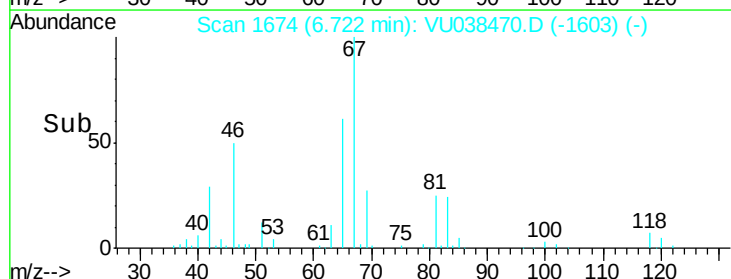
98 0.4 39.0 58.4#

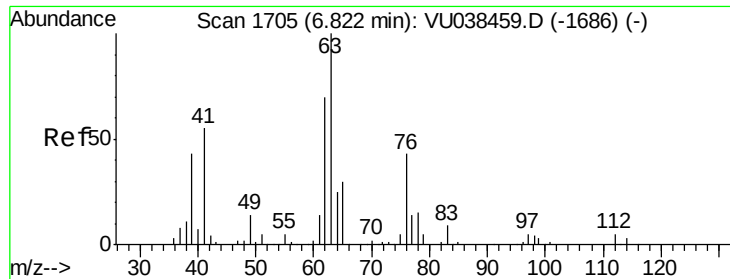


Abundance Ion 83.15 (82.85 to 83.85): VU038470.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038470.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038470.D (-1603) (-)

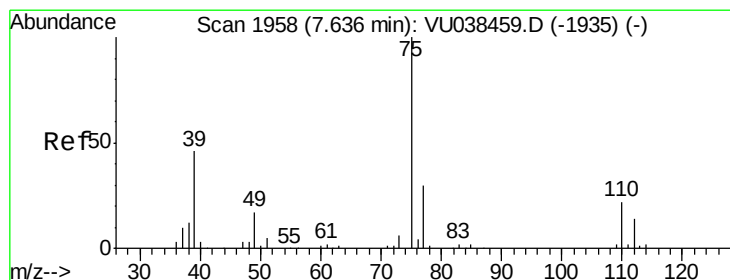
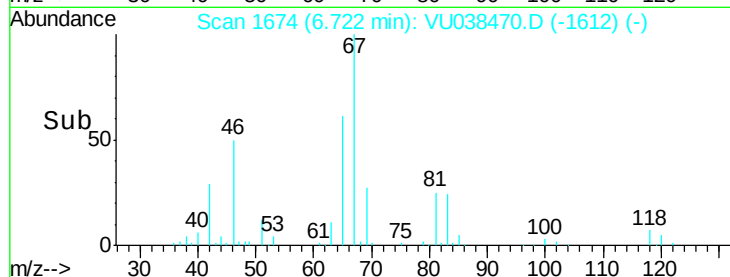
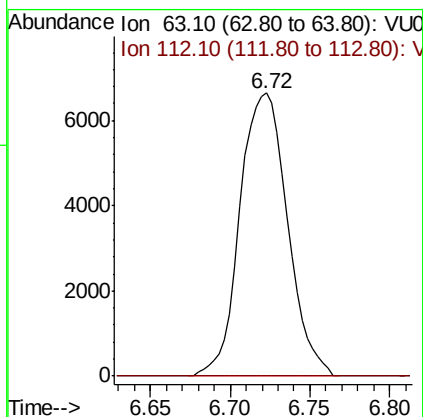
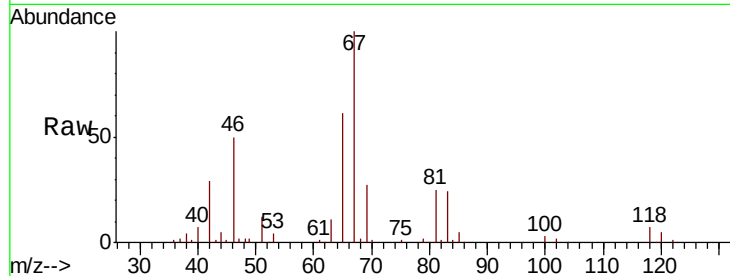




#37
 1,2-Dichloropropane
 Concen: 0.645 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038470.D
 Acq: 01 Jun 2020 14:56

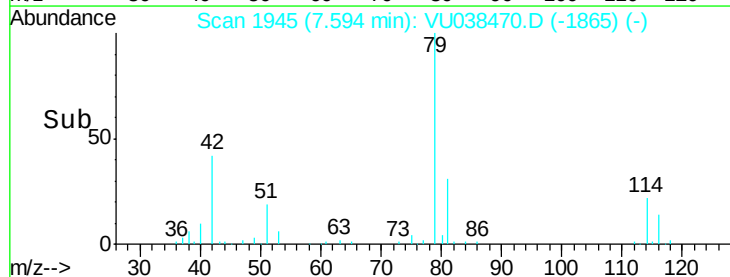
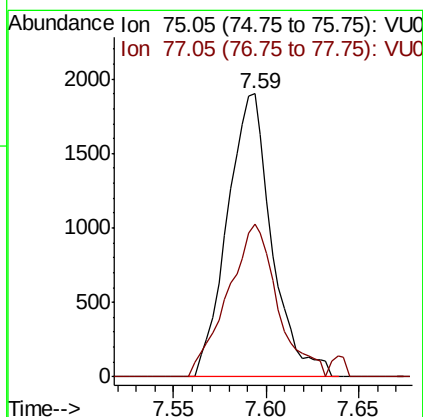
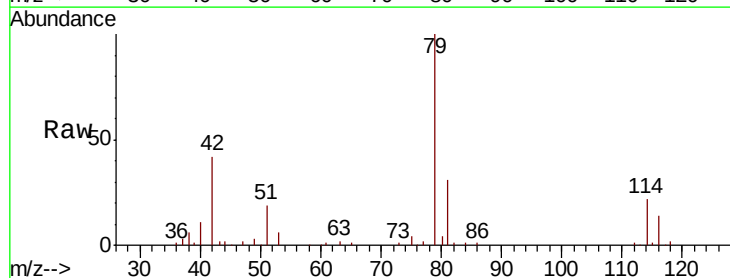
Instrument :
 MSVOA_U
 ClientSampleId :

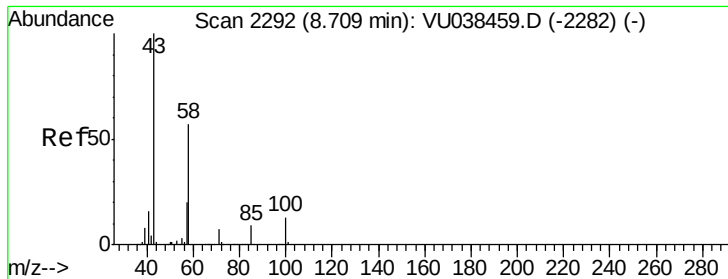
Tot Ion: 63 Resp: 13529
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038470.D
 Acq: 01 Jun 2020 14:56

Tgt Ion: 75 Resp: 3165
 Ion Ratio Lower Upper
 75 100
 77 54.1 21.9 40.7#

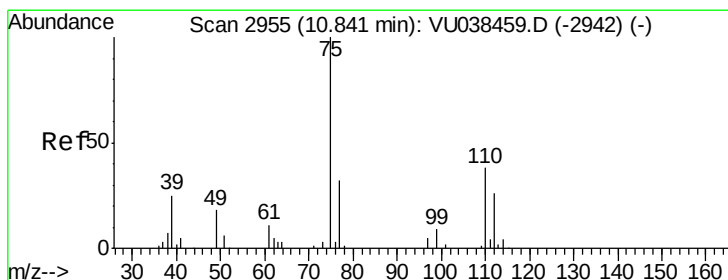
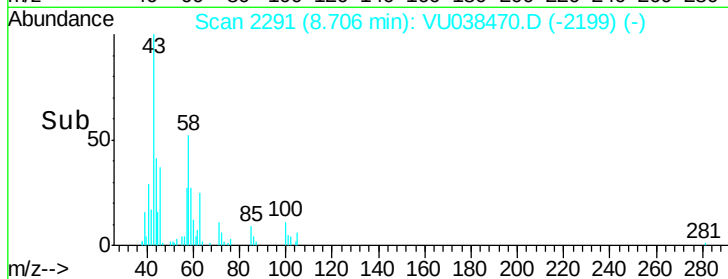
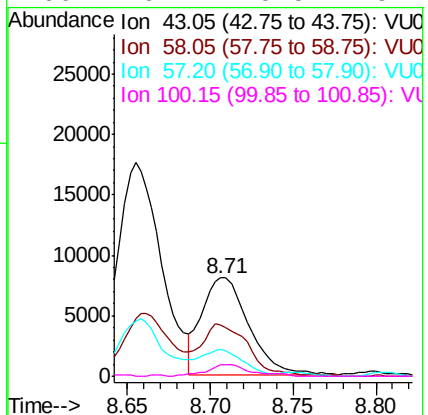
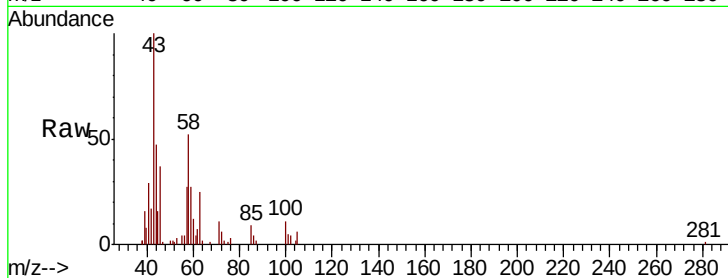




#48
 2-Hexanone
 Concen: 1.397 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038470.D
 Acq: 01 Jun 2020 14:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 15870
 Ion Ratio Lower Upper
 43 100
 58 50.4 45.4 68.0
 57 25.6 15.9 23.9#
 100 10.2 10.5 15.7#



#59
 1,2,3-Trichloropropane
 Concen: 1.136 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038470.D
 Acq: 01 Jun 2020 14:56

Tgt Ion: 75 Resp: 17785
 Ion Ratio Lower Upper
 75 100
 77 38.8 25.4 38.2#

