

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052120\
 Data File : VU038262.D
 Acq On : 21 May 2020 14:21
 Operator : JC/MD
 Sample : L2724-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 16:06:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 16:00:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	360731	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	354543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	168443	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102815	3.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.40%
7) Chloroethane-d5	1.93	69	115017	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	2.59	63	149367	2.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.20%#
20) 2-Butanone-d5	4.67	46	468620	57.56	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.12%
24) Chloroform-d	5.10	84	231695	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.74	65	143131	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	483881	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.72	67	160308	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.92	98	416619	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.20	79	56429	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.65	63	378541	58.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	135753	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	157263	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

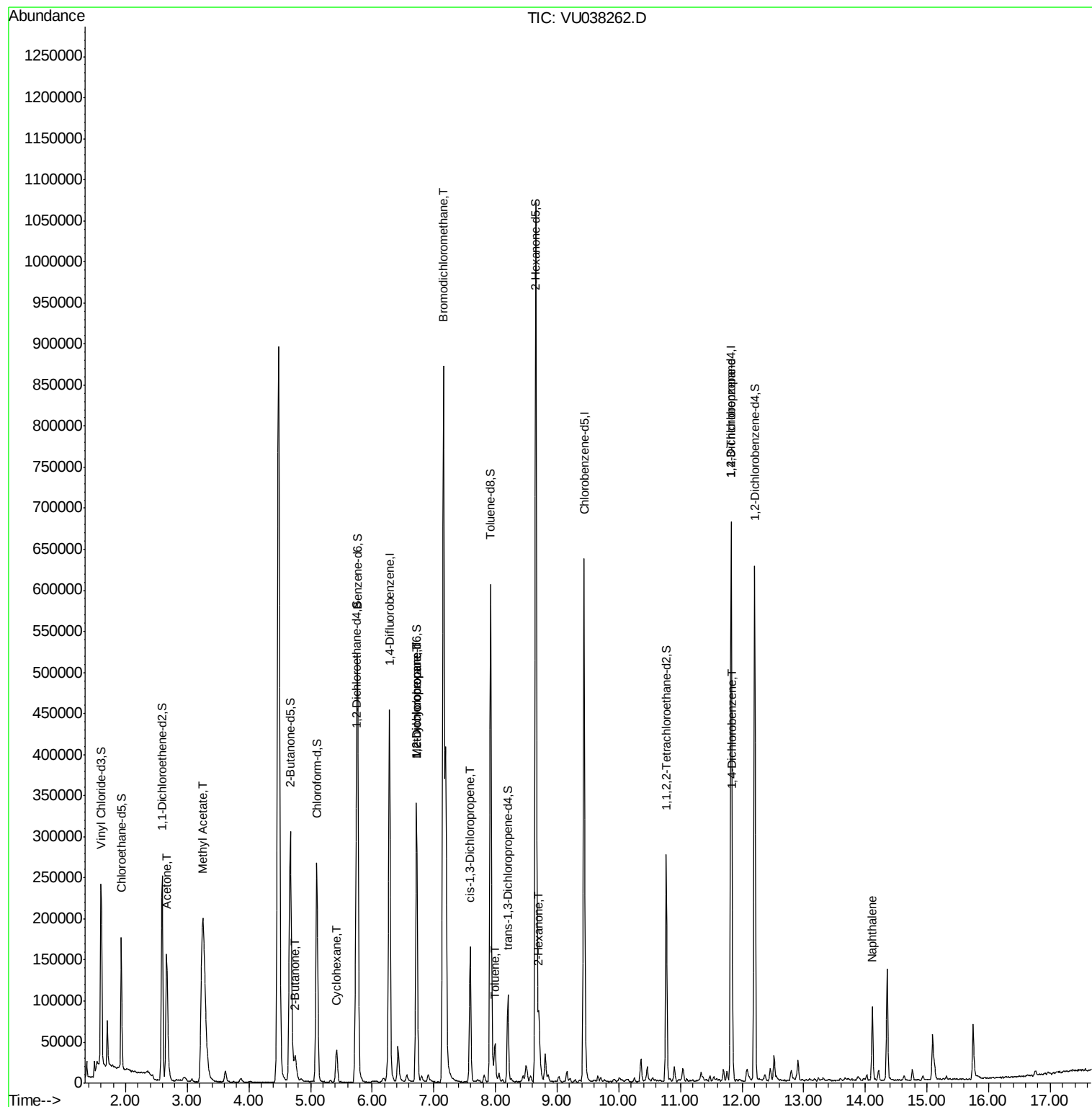
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.67	43	229823	44.996	ug/L	99
15) Methyl Acetate	3.25	43	51680	3.617	ug/L #	53
21) 2-Butanone	4.75	43	38326	4.251	ug/L	93
30) Cyclohexane	5.42	56	18668	0.389	ug/L	94
35) Methylcyclohexane	6.72	83	35500	0.772	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	17293	0.561	ug/L #	88
38) Bromodichloromethane	7.15	83	8544	0.240	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	3618	0.082	ug/L #	41
42) Toluene	7.99	91	28544	0.238	ug/L	95
48) 2-Hexanone	8.71	43	48801	3.118	ug/L	94
59) 1,2,3-Trichloropropane	11.82	75	28316	1.368	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	14212	0.256	ug/L	91
69) Naphthalene	14.11	128	68300	0.899	ug/L	98

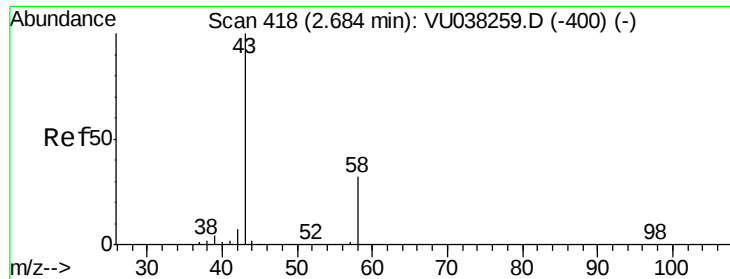
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 44.996 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Instrument :

MSVOA_U

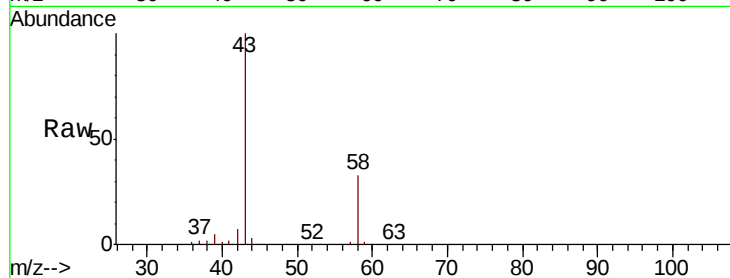
ClientSampleId :

Tot Ion: 43 Resp: 229823

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038262.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038262.D (-325) (-)

2.67

100000

80000

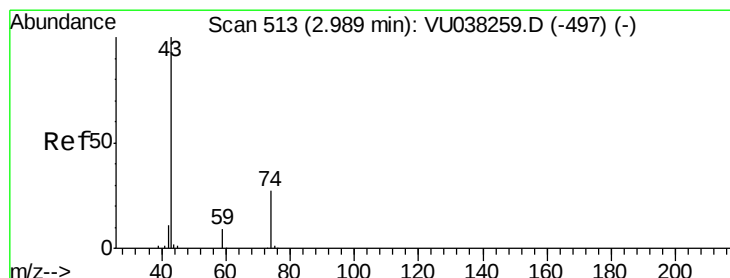
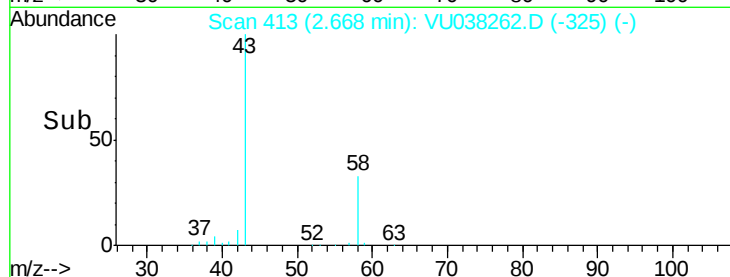
60000

40000

20000

0

Time-->



#15

Methyl Acetate

Concen: 3.617 ug/L

RT: 3.25 min Scan# 595

Delta R.T. 0.26 min

Lab File: VU038262.D

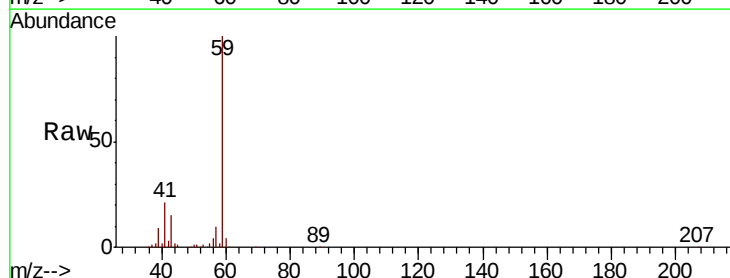
Acq: 21 May 2020 14:21

Tgt Ion: 43 Resp: 51680

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038262.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU038262.D (-420) (-)

20000

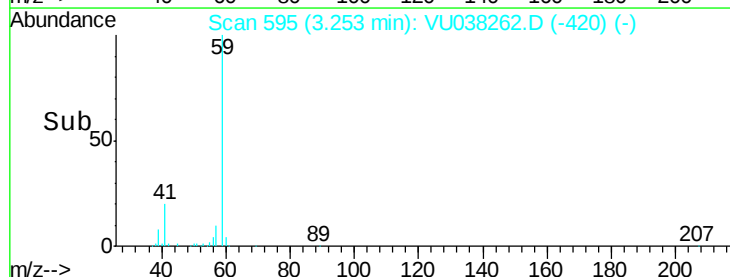
15000

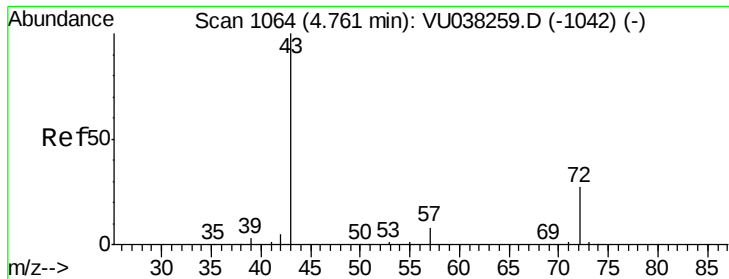
10000

5000

0

Time-->





#21

2-Butanone

Concen: 4.251 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Instrument :

MSVOA_U

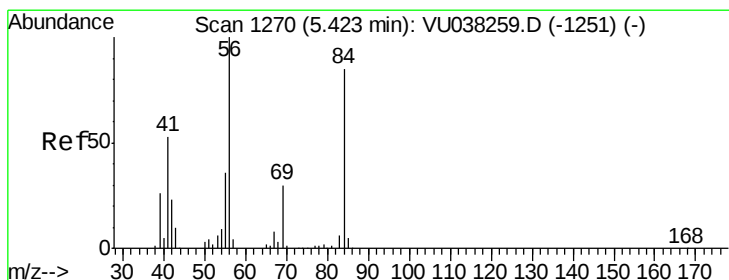
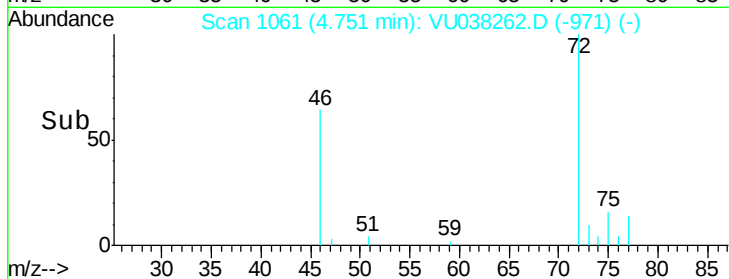
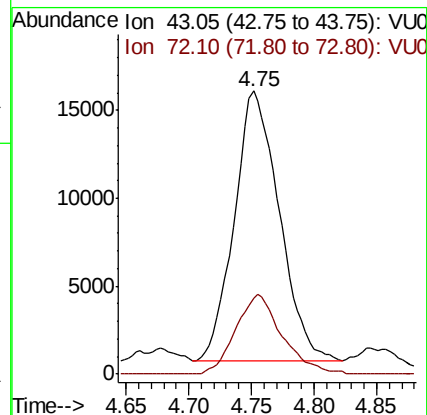
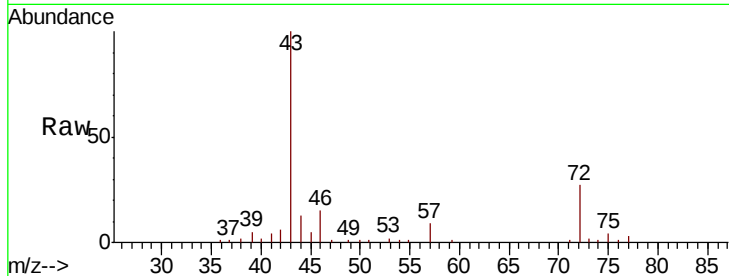
ClientSampled :

Tot Ion: 43 Resp: 38326

Ion Ratio Lower Upper

43 100

72 30.6 13.5 40.4



#30

Cyclohexane

Concen: 0.389 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

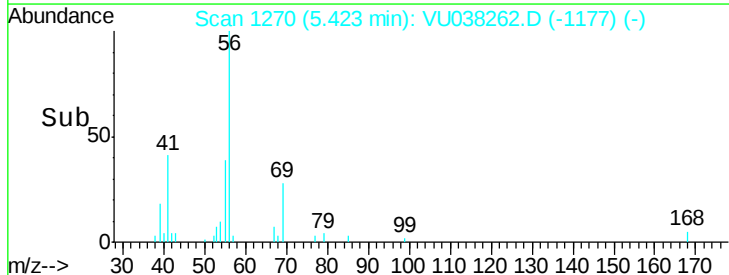
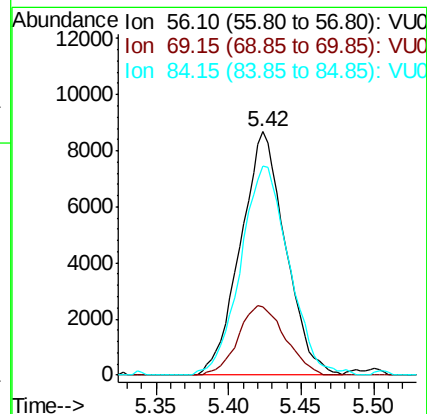
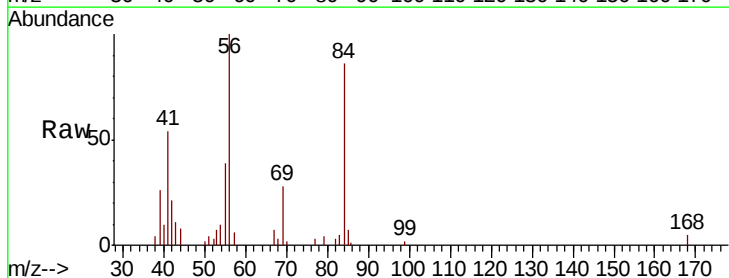
Tgt Ion: 56 Resp: 18668

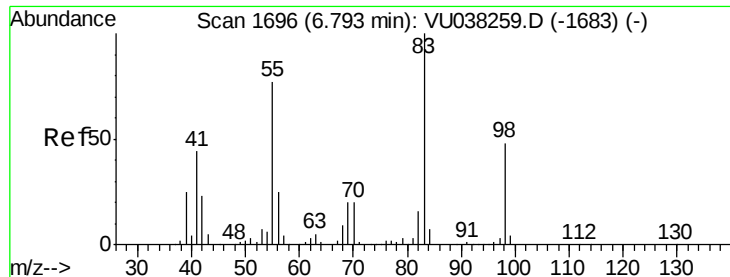
Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.4

84 92.3 68.5 102.7

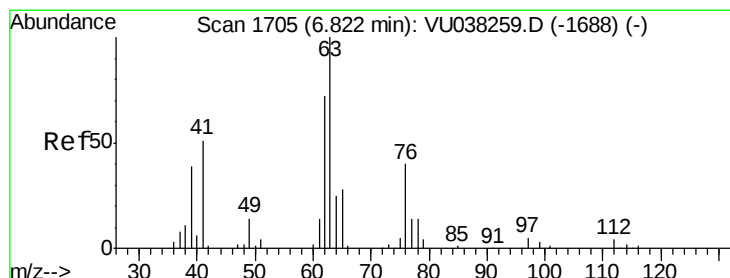
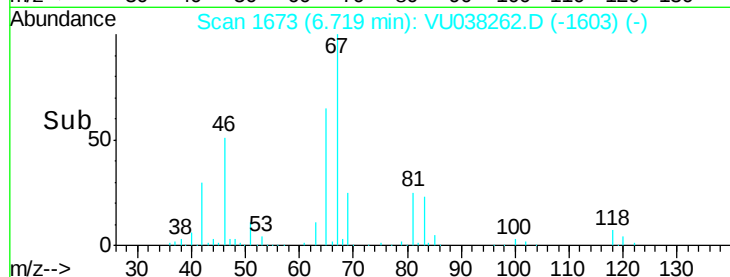
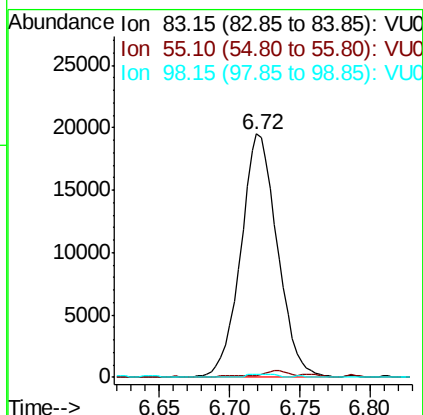
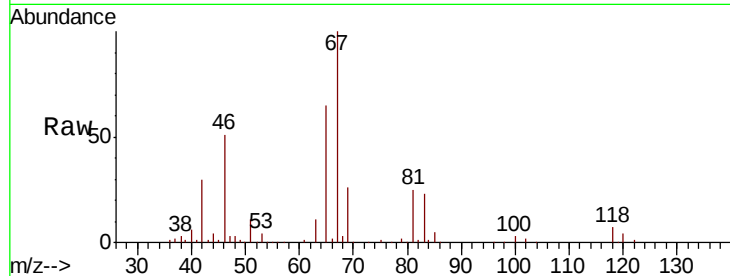




#35
Methvlcvclohexane
Concen: 0.772 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038262.D
Acq: 21 May 2020 14:21

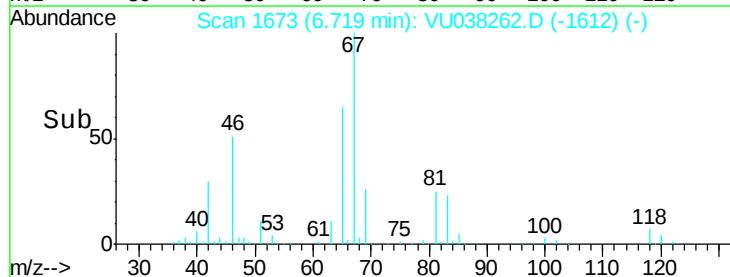
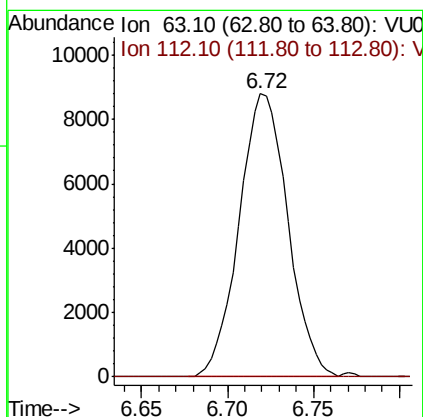
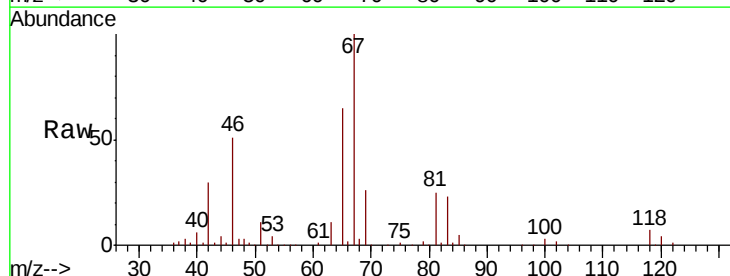
Instrument :
MSVOA_U
ClientSampled :

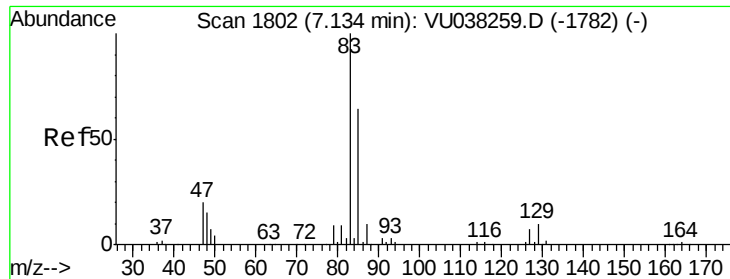
Tot Ion: 83 Resp: 35500
Ion Ratio Lower Upper
83 100
55 1.8 66.7 100.1#
98 1.0 39.4 59.2#



#37
1,2-Dichloropropane
Concen: 0.561 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038262.D
Acq: 21 May 2020 14:21

Tgt Ion: 63 Resp: 17293
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.240 ug/L

RT: 7.15 min Scan# 1807

Delta R.T. 0.02 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Instrument :

MSVOA_U

ClientSampleId :

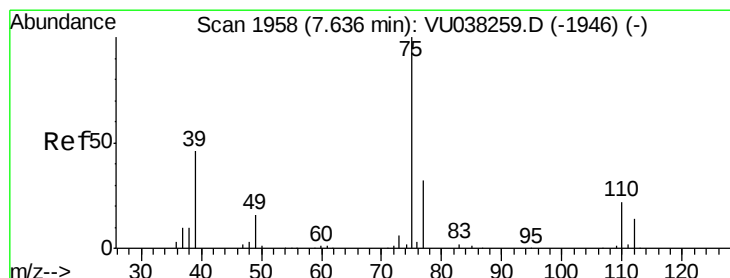
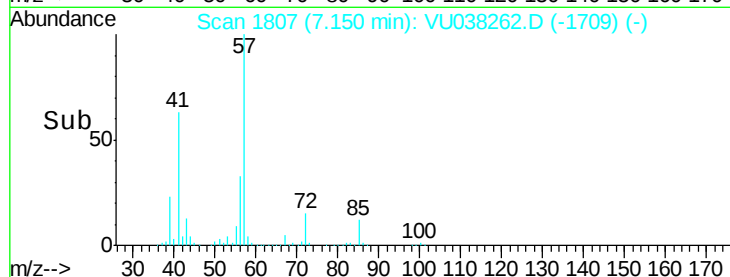
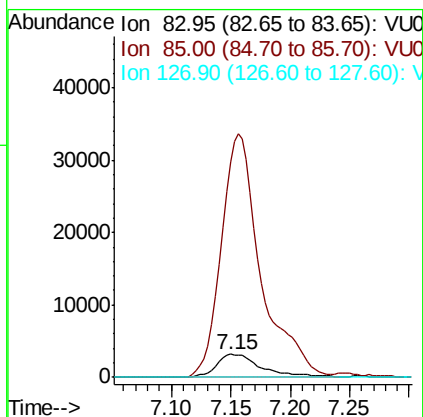
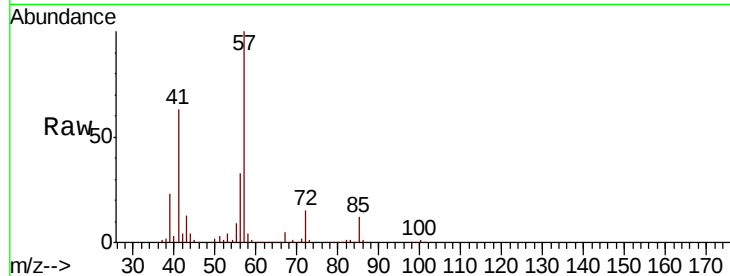
Tot Ion: 83 Resp: 8544

Ion Ratio Lower Upper

83 100

85 945.1 44.6 82.8#

127 0.0 6.4 9.6#



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU038262.D

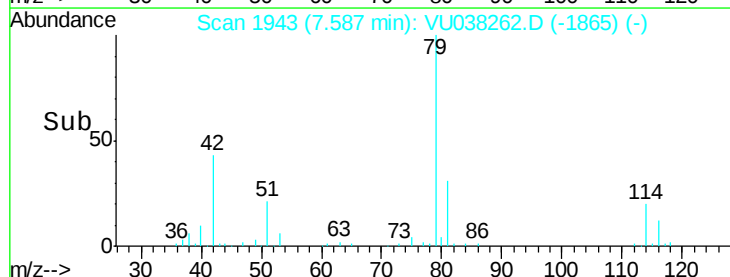
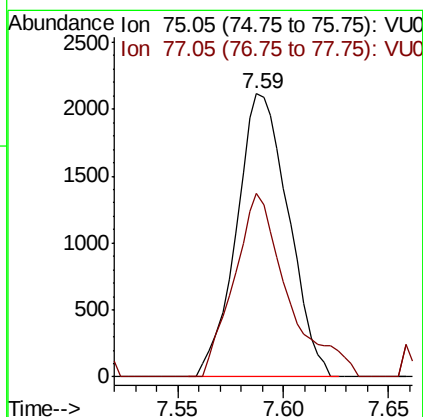
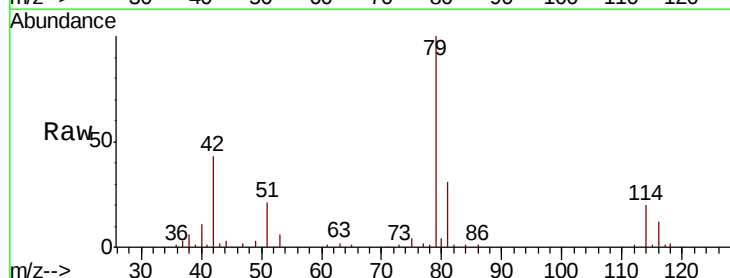
Acq: 21 May 2020 14:21

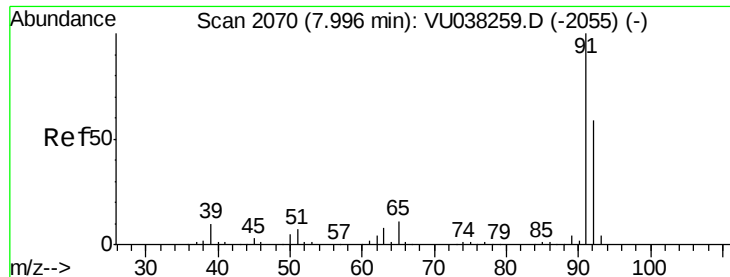
Tgt Ion: 75 Resp: 3618

Ion Ratio Lower Upper

75 100

77 64.8 22.4 41.6#





#42

Toluene

Concen: 0.238 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Instrument :

MSVOA_U

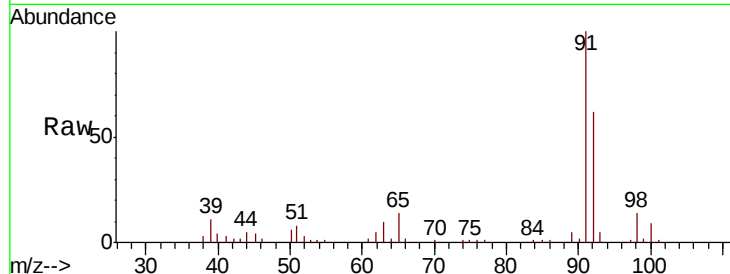
ClientSampleId :

Tot Ion: 91 Resp: 28544

Ion Ratio Lower Upper

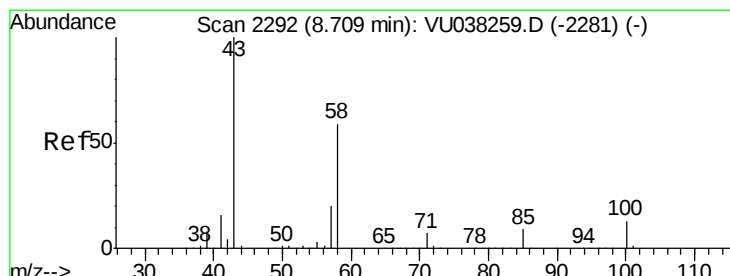
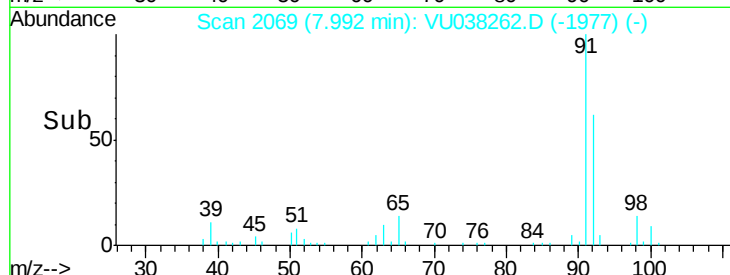
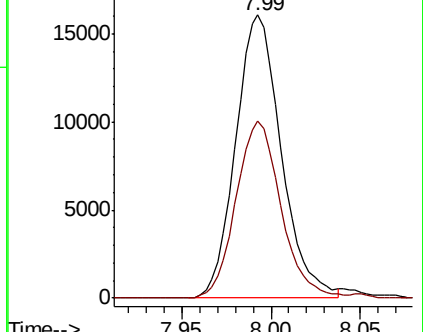
91 100

92 62.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)



#48

2-Hexanone

Concen: 3.118 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Tgt Ion: 43 Resp: 48801

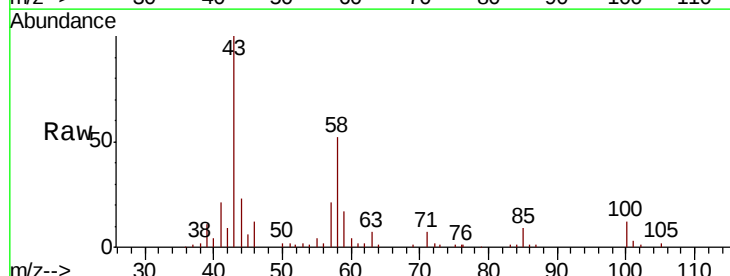
Ion Ratio Lower Upper

43 100

58 52.4 45.2 67.8

57 22.9 15.5 23.3

100 10.9 9.5 14.3

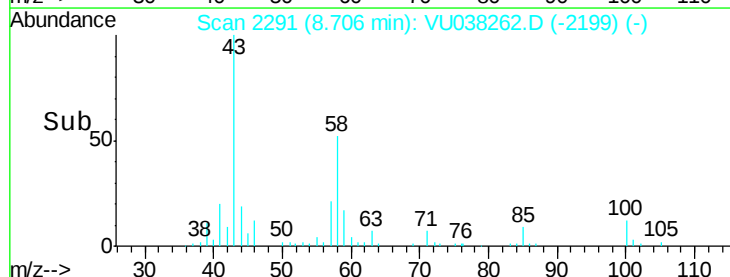
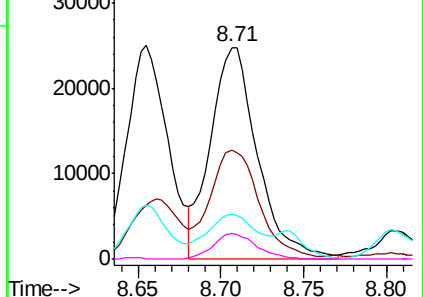


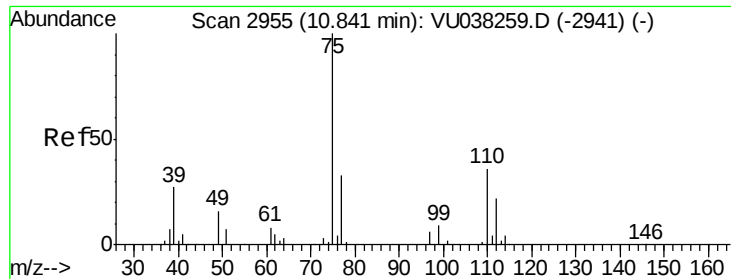
Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038259.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038259.D (-2281) (-)

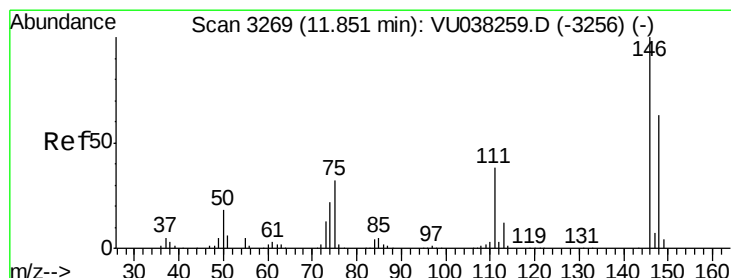
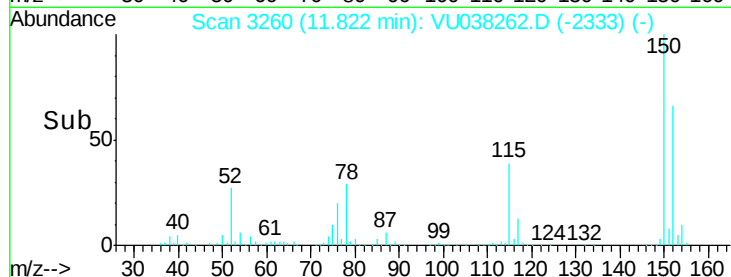
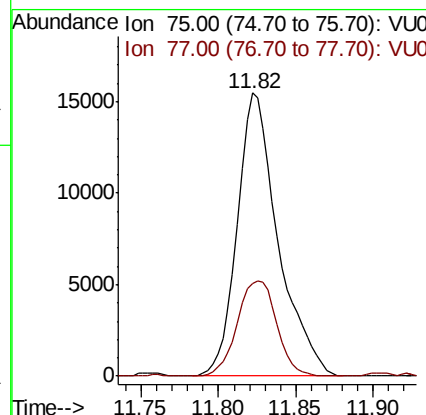
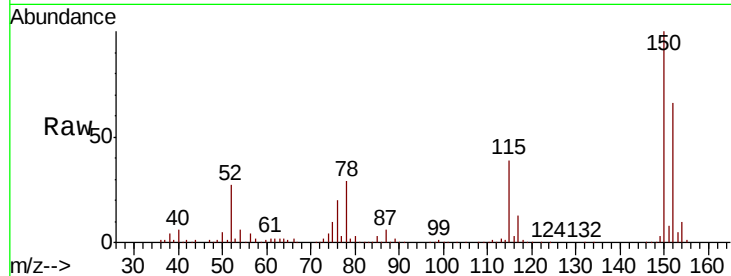




#59
 1,2,3-Trichloropropane
 Concen: 1.368 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038262.D
 Acq: 21 May 2020 14:21

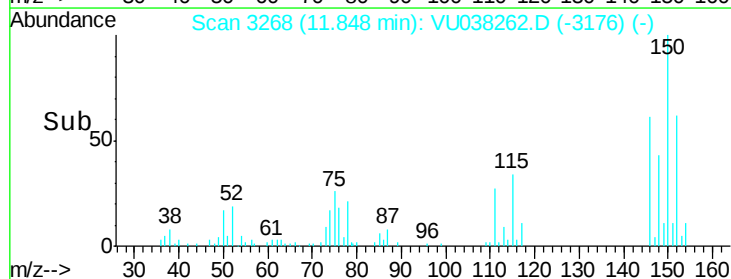
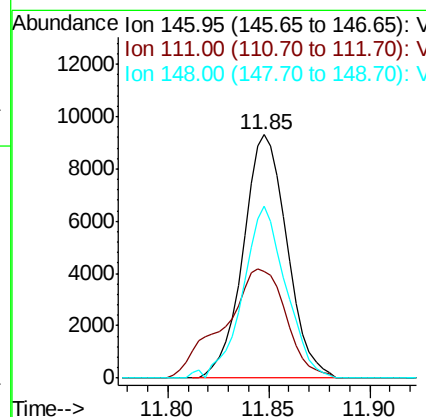
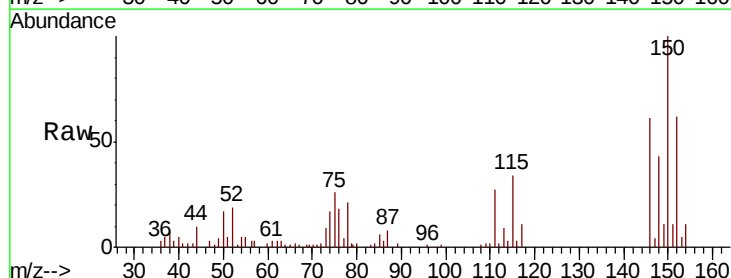
Instrument :
 MSVOA_U
 ClientSampleId :

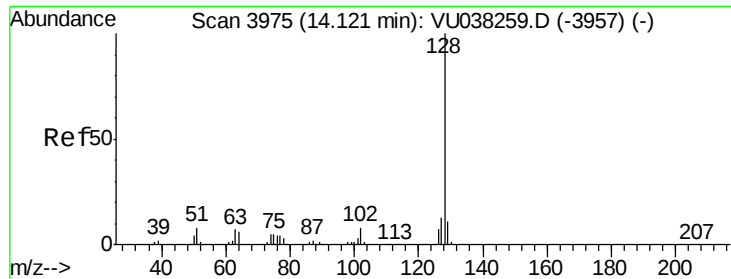
Tot Ion: 75 Resp: 28316
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.256 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038262.D
 Acq: 21 May 2020 14:21

Tgt Ion: 146 Resp: 14212
 Ion Ratio Lower Upper
 146 100
 111 44.0 27.2 50.6
 148 70.4 43.8 81.3





#69

Naphthalene

Concen: 0.899 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038262.D

Acq: 21 May 2020 14:21

Instrument :

MSVOA_U

ClientSampleId :

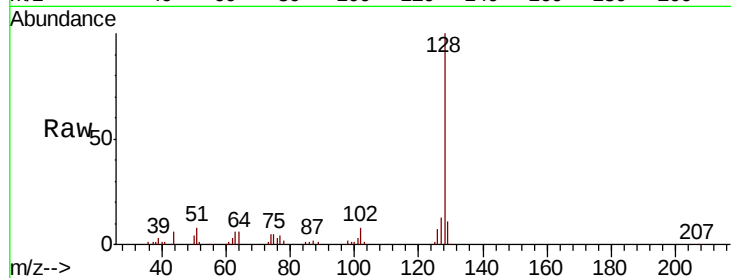
Tot Ion:128 Resp: 68300

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

127 13.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

