

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\
 Data File : VU038472.D
 Acq On : 01 Jun 2020 15:42
 Operator : JC/MD
 Sample : L2789-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 02 05:29:24 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	302273	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	291759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	139151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	77477	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	72283	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.59	63	126034	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.68	46	356011	59.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.80%
24) Chloroform-d	5.10	84	192619	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.74	65	116942	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.76	84	375490	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.72	67	118258	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.92	98	309918	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.20	79	47281	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.66	63	300628	63.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105317	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	128895	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3907	0.213	ug/L #	72
12) 1,1-Dichloroethene	2.61	96	4601	0.247	ug/L #	1
13) Acetone	2.68	43	21836	5.614	ug/L	66
19) 1,1-Dichloroethane	3.91	63	3727	0.104	ug/L	88
21) 2-Butanone	4.85	43	262403	40.112	ug/L #	50
22) cis-1,2-Dichloroethene	4.70	96	2785	0.129	ug/L	88
25) Chloroform	5.12	83	7374	0.202	ug/L	94
29) 1,1,1-Trichloroethane	5.36	97	5301	0.172	ug/L	96
30) Cyclohexane	5.42	56	3519	0.109	ug/L	92
35) Methylcyclohexane	6.72	83	28424	0.869	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	13554	0.662	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3675	0.121	ug/L #	43
47) Tetrachloroethene	8.57	164	3273	0.213	ug/L	84
48) 2-Hexanone	8.71	43	14130	1.274	ug/L	92
49) Dibromochloromethane	8.57	129	3107	0.186	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	17509	1.146	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 05:25:28 2020
Response via : Initial Calibration

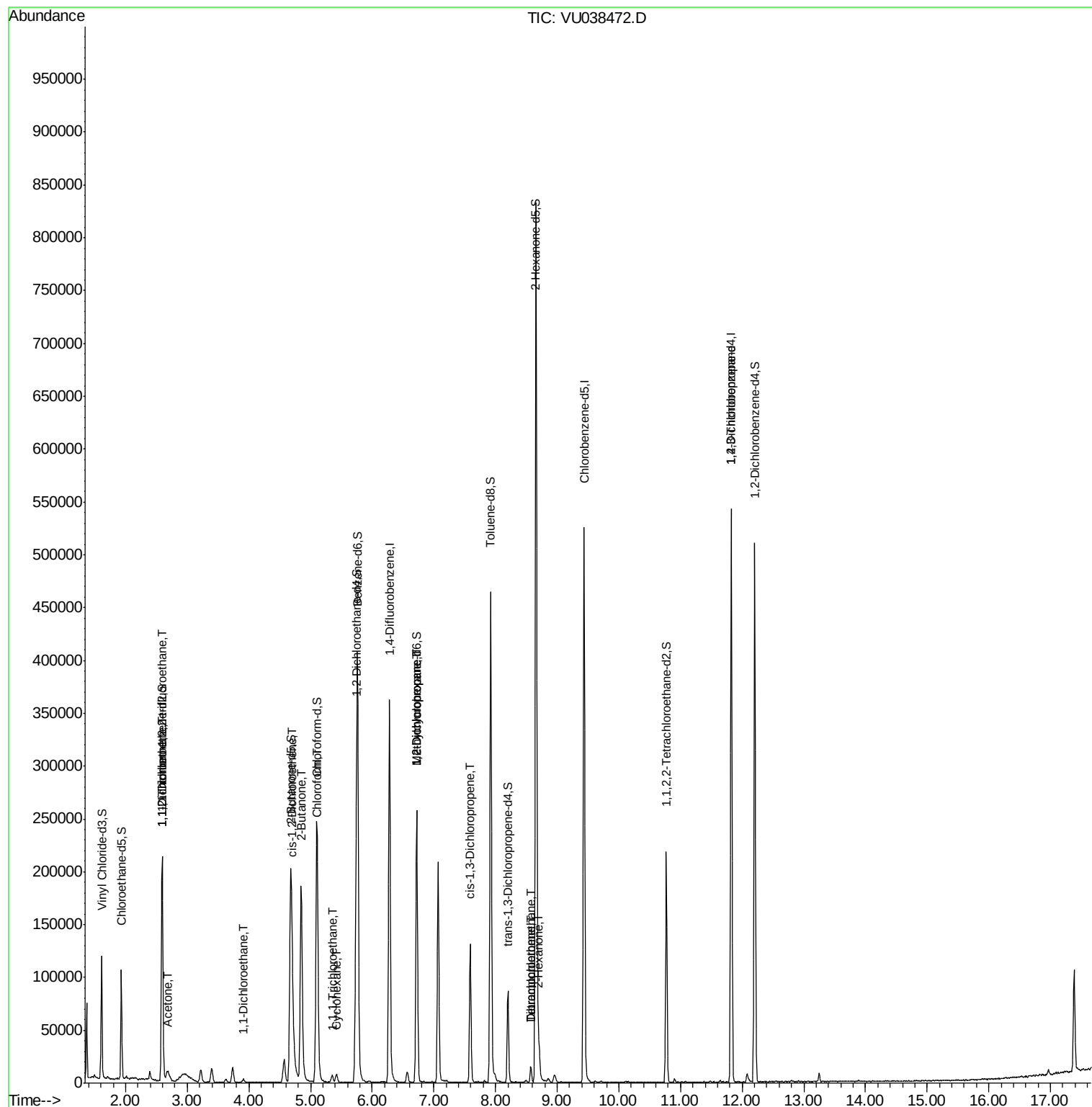
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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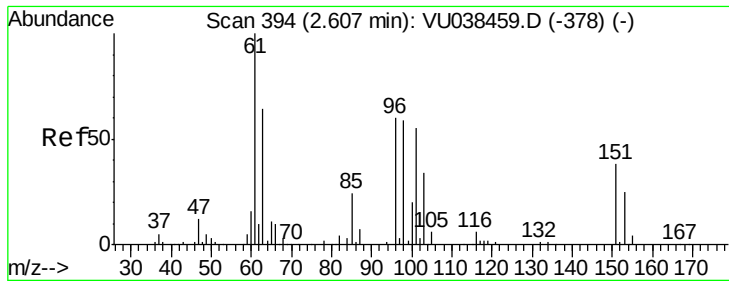
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.213 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :

MSVOA_U

ClientSampled :

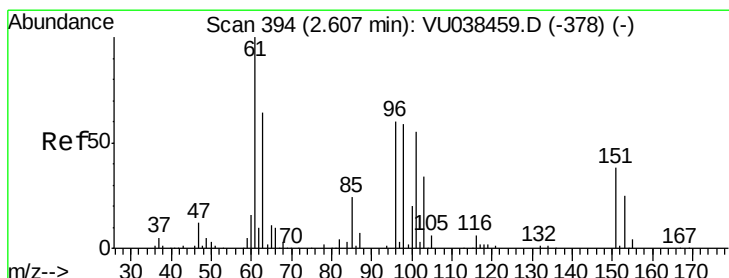
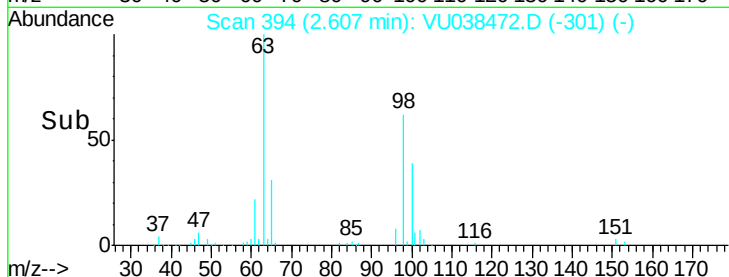
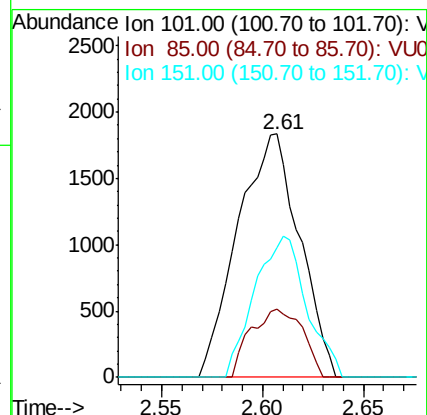
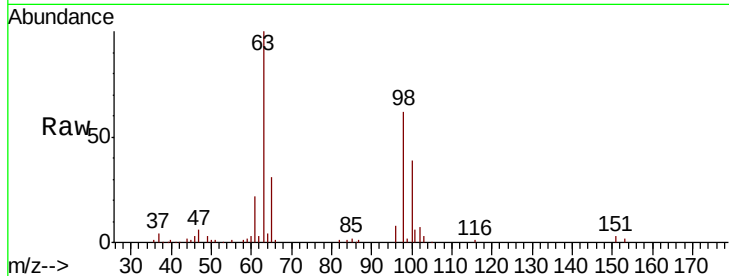
Tot Ion:101 Resp: 3907

Ion Ratio Lower Upper

101 100

85 23.5 34.0 51.0#

151 49.1 56.9 85.3#



#12

1,1-Dichloroethene

Concen: 0.247 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

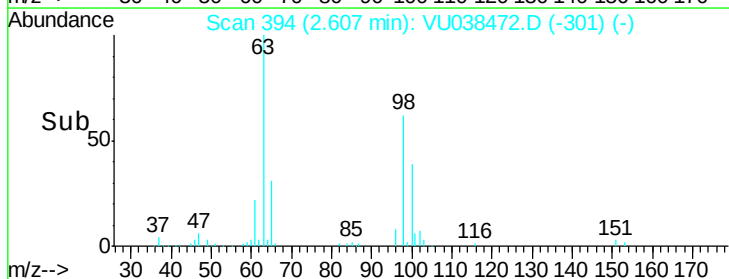
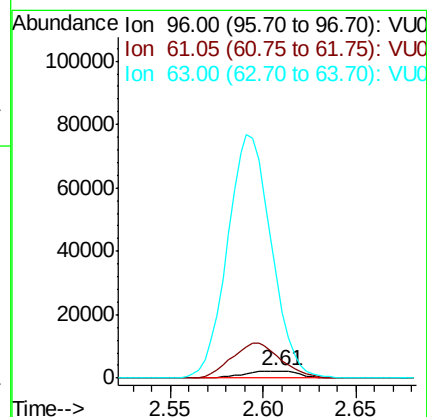
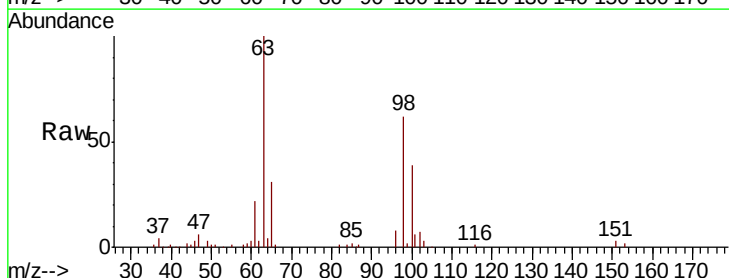
Tgt Ion: 96 Resp: 4601

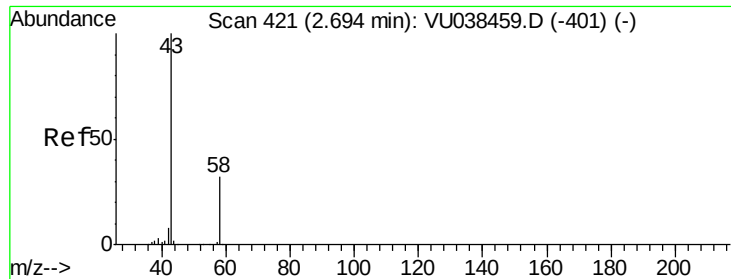
Ion Ratio Lower Upper

96 100

61 291.3 119.9 222.7#

63 1327.8 89.9 167.0#





#13

Acetone

Concen: 5.614 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.02 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :

MSVOA_U

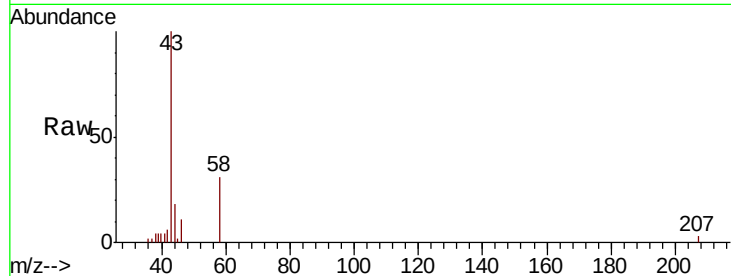
ClientSampleId :

Tot Ion: 43 Resp: 21836

Ion Ratio Lower Upper

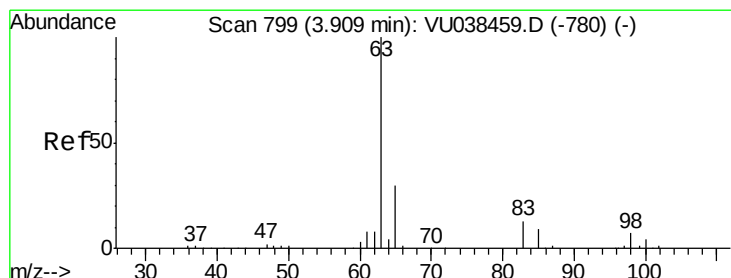
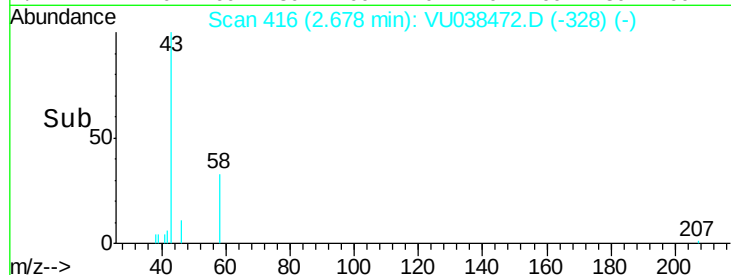
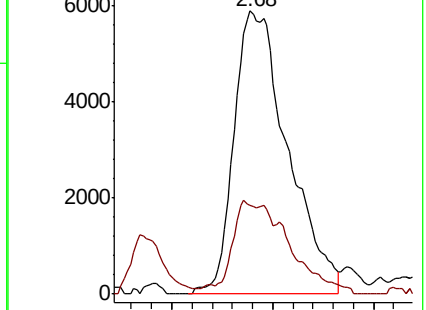
43 100

58 13.5 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038472.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VU038472.D (-328) (-)



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

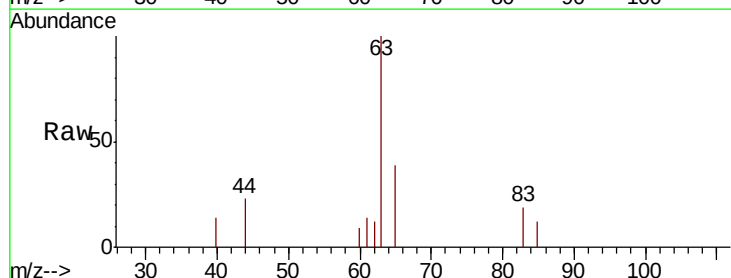
Tgt Ion: 63 Resp: 3727

Ion Ratio Lower Upper

63 100

65 38.8 22.3 41.5

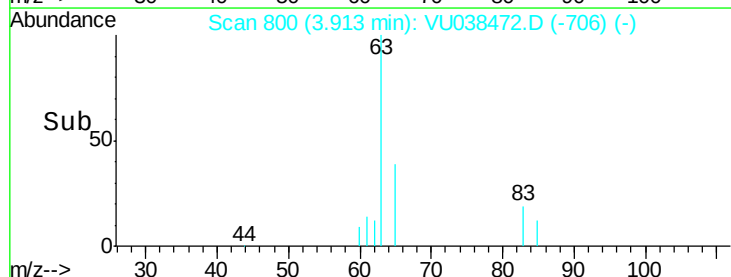
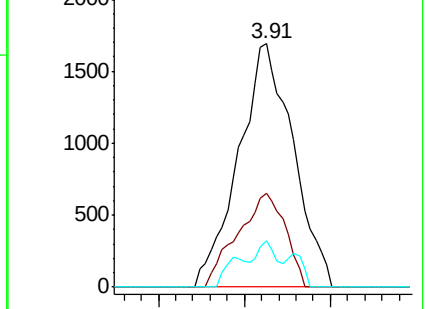
83 19.0 10.4 19.4

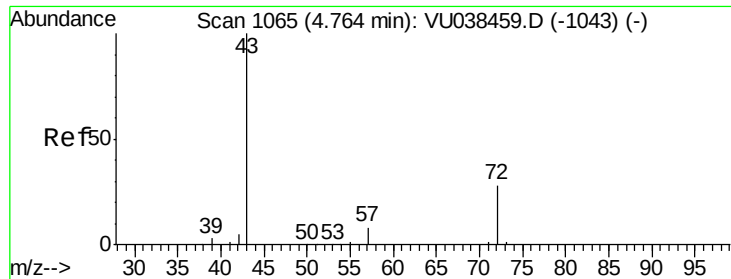


Abundance Ion 63.10 (62.80 to 63.80): VU038472.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038472.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038472.D (-706) (-)

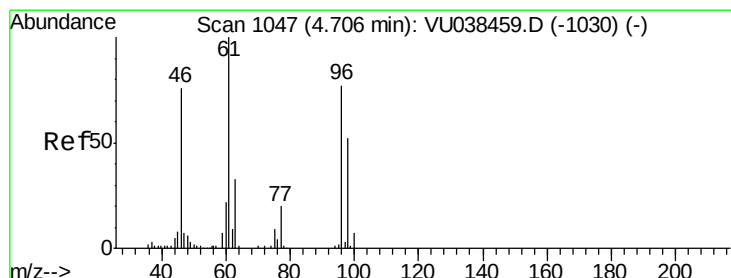
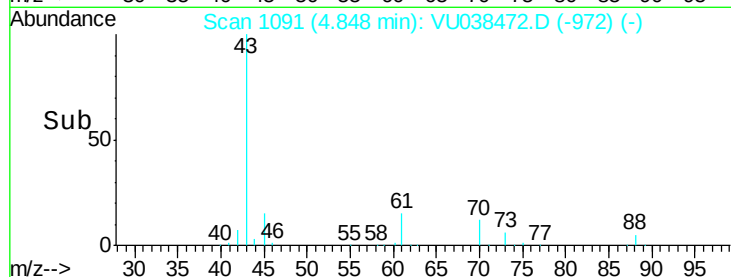
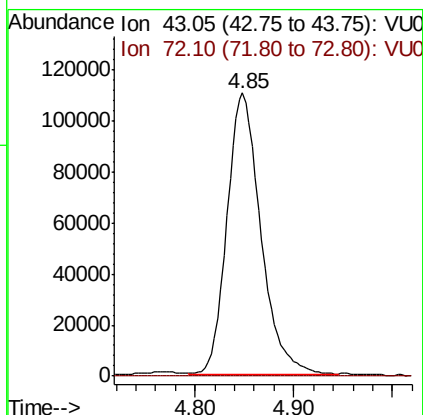
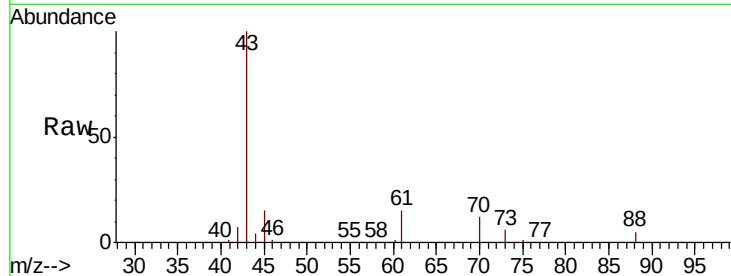




#21
 2-Butanone
 Concen: 40.112 ug/L
 RT: 4.85 min Scan# 1091
 Delta R.T. 0.08 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

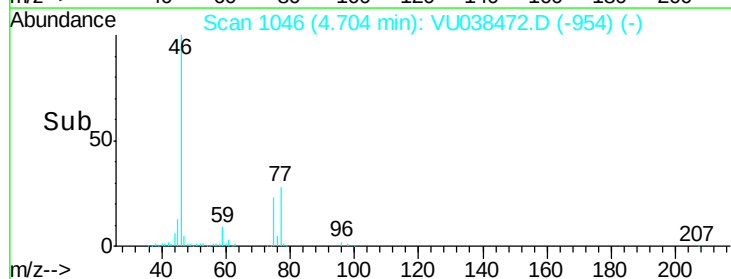
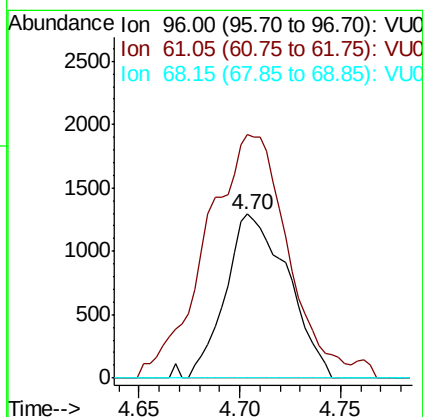
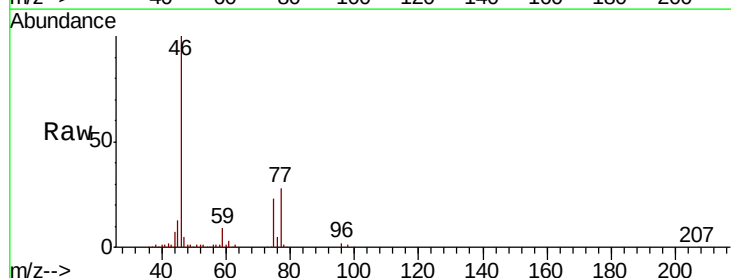
Instrument :
 MSVOA_U
 ClientSampleId :

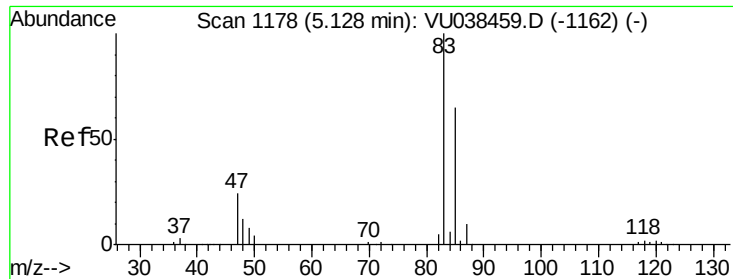
Tot Ion: 43 Resp: 262403
 Ion Ratio Lower Upper
 43 100
 72 0.1 12.6 37.8#



#22
 cis-1,2-Dichloroethene
 Concen: 0.129 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

Tgt Ion: 96 Resp: 2785
 Ion Ratio Lower Upper
 96 100
 61 148.3 94.0 174.6
 68 0.0 0.0 0.0

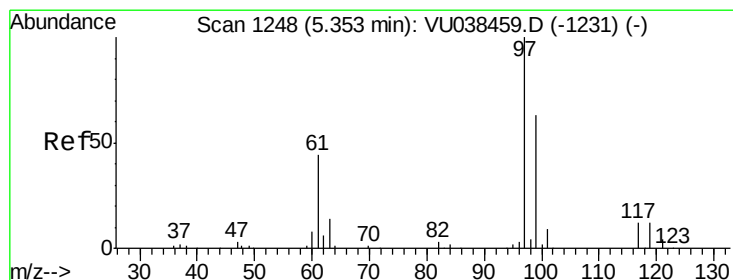
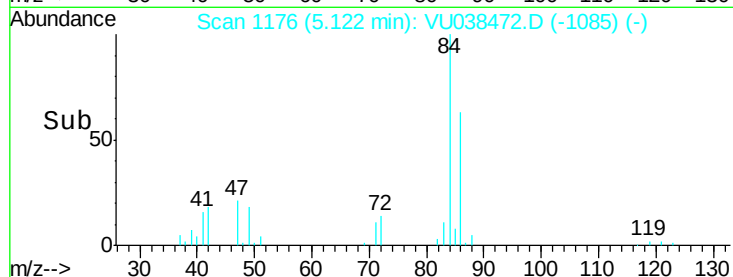
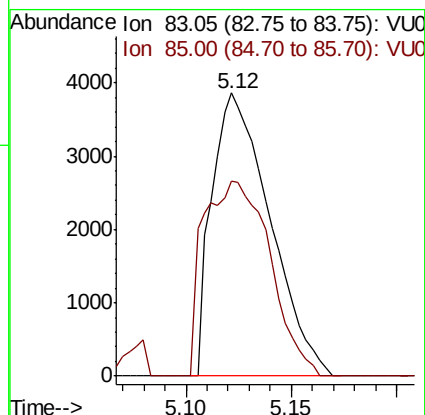
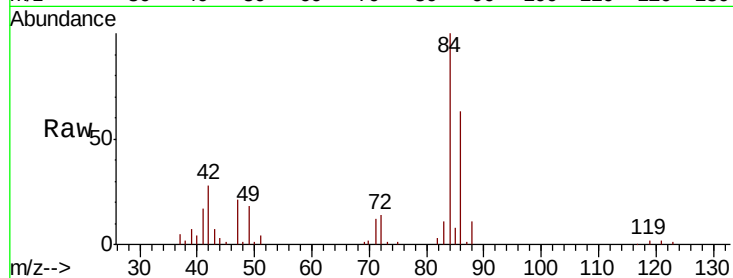




#25
Chloroform
Concen: 0.202 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

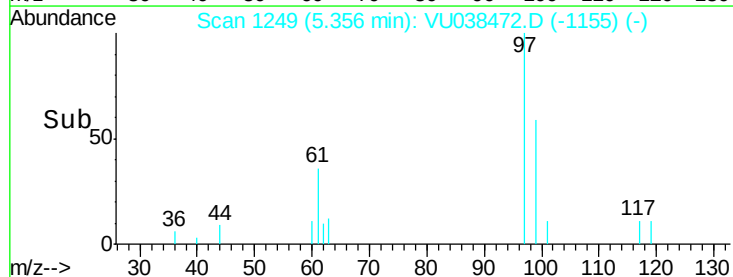
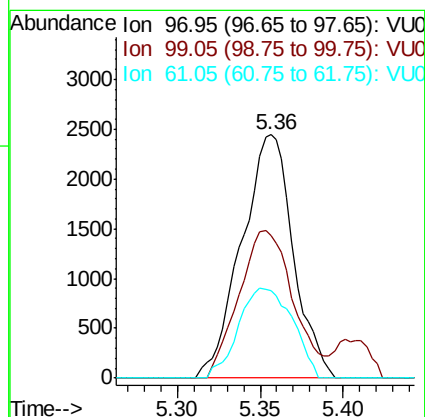
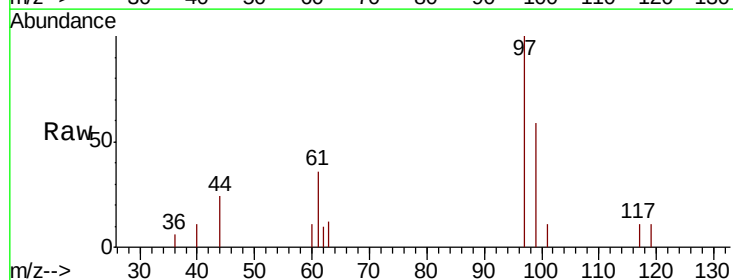
Instrument :
MSVOA_U
ClientSampleId :

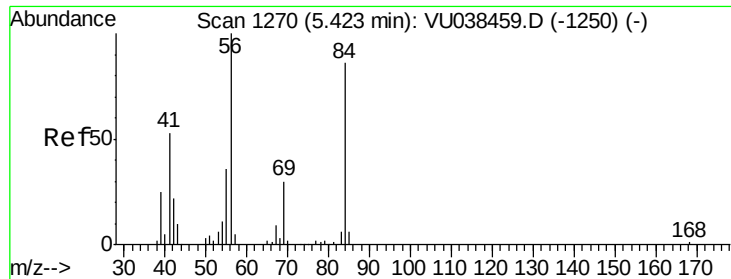
Tot Ion: 83 Resp: 7374
Ion Ratio Lower Upper
83 100
85 68.7 44.9 83.5



#29
1,1,1-Trichloroethane
Concen: 0.172 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

Tgt Ion: 97 Resp: 5301
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.2
61 38.5 35.4 53.2

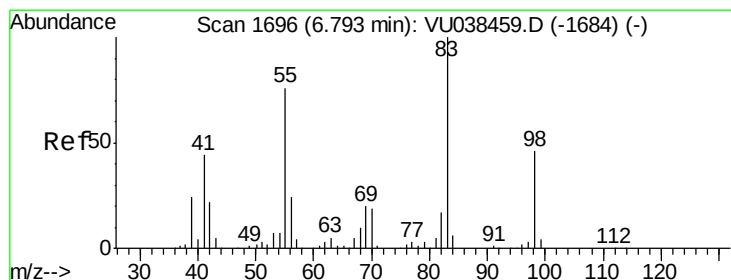
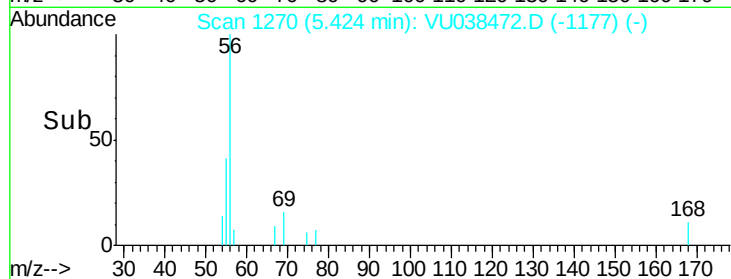
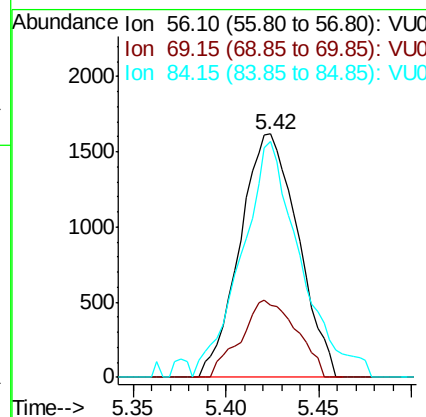
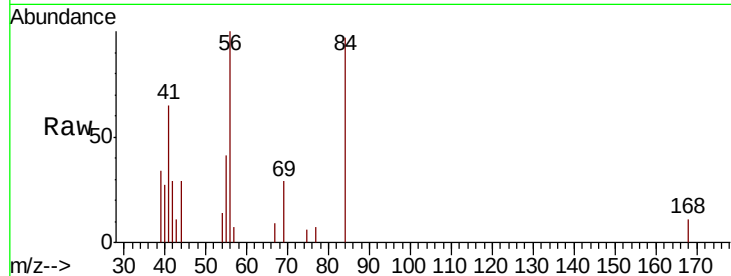




#30
Cyclohexane
Concen: 0.109 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

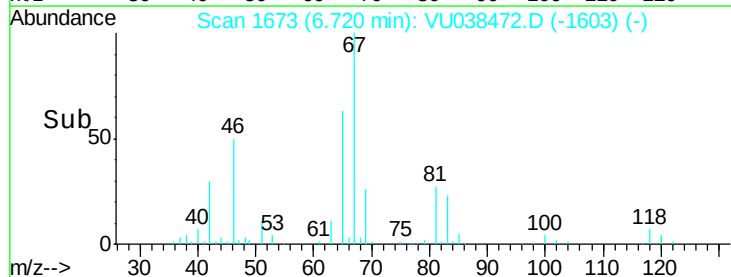
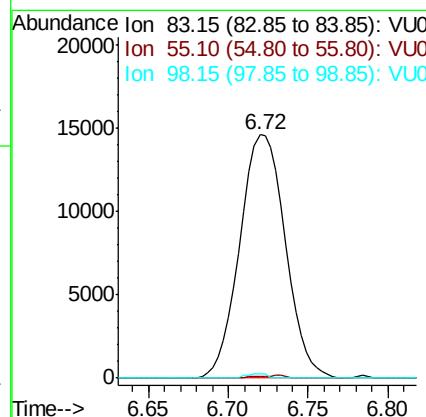
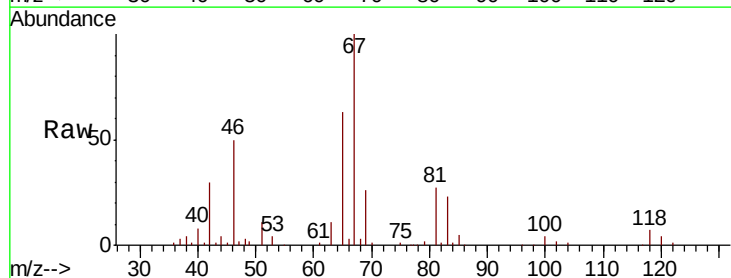
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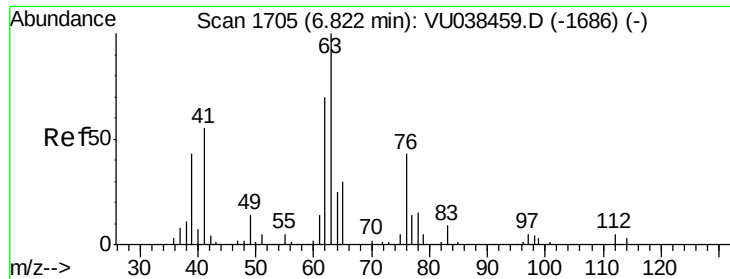
Tot Ion: 56 Resp: 3519
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 98.7 70.8 106.2



#35
Methylcyclohexane
Concen: 0.869 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038472.D
Acq: 01 Jun 2020 15:42

Tgt Ion: 83 Resp: 28424
Ion Ratio Lower Upper
83 100
55 0.3 63.4 95.2#
98 0.7 39.0 58.4#

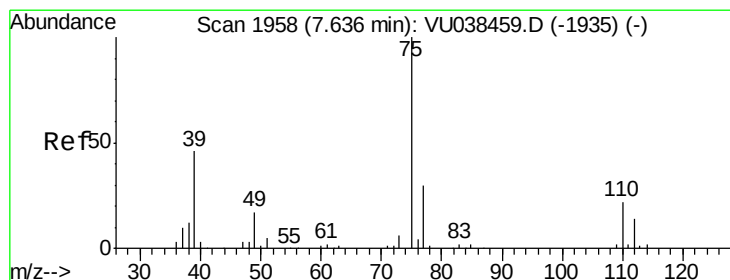
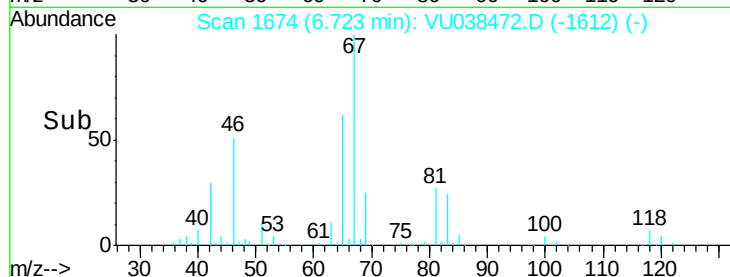
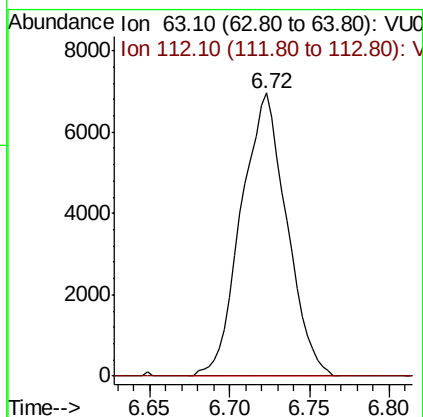
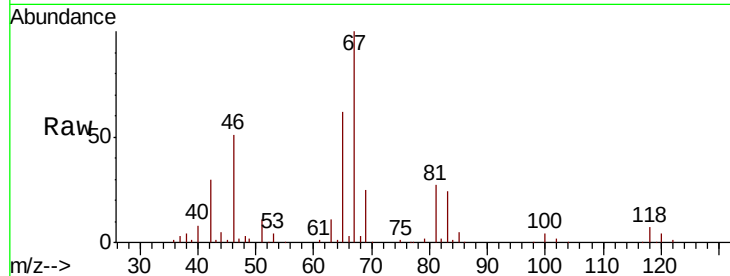




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

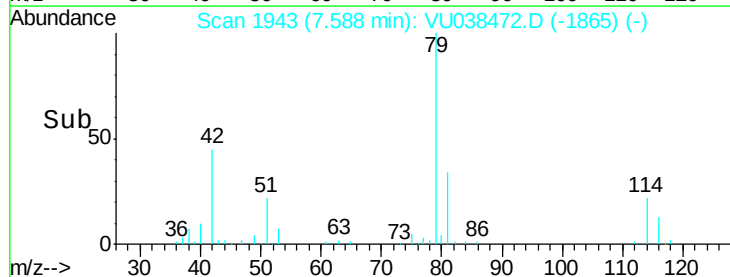
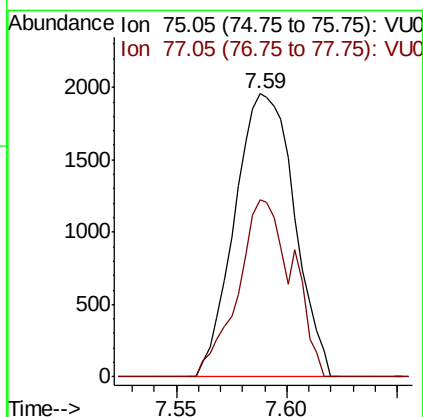
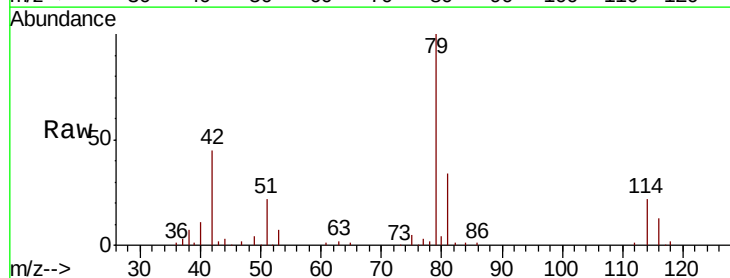
Instrument :
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 ClientSampled :

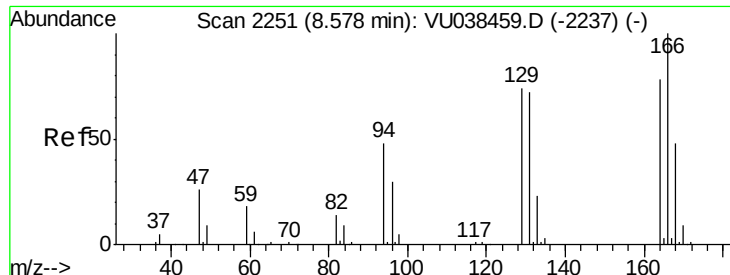
Tot Ion: 63 Resp: 13554
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

Tgt Ion: 75 Resp: 3675
 Ion Ratio Lower Upper
 75 100
 77 62.8 21.9 40.7#





#47

Tetrachloroethene

Concen: 0.213 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3273

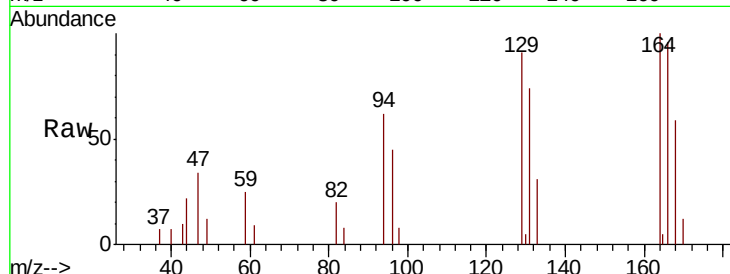
Ion Ratio Lower Upper

164 100

129 90.8 67.4 125.2

131 73.7 64.1 119.1

166 96.4 85.7 159.1

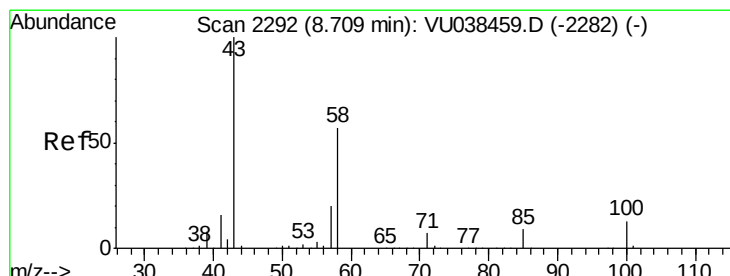
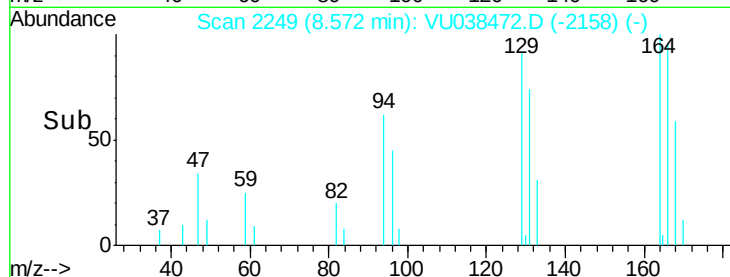
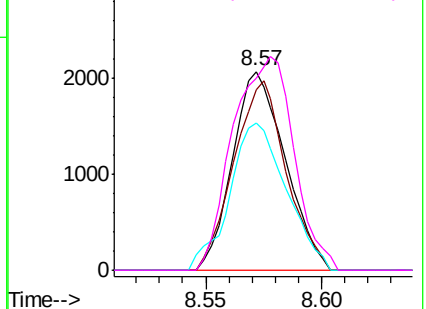


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.274 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038472.D

Acq: 01 Jun 2020 15:42

Tgt Ion: 43 Resp: 14130

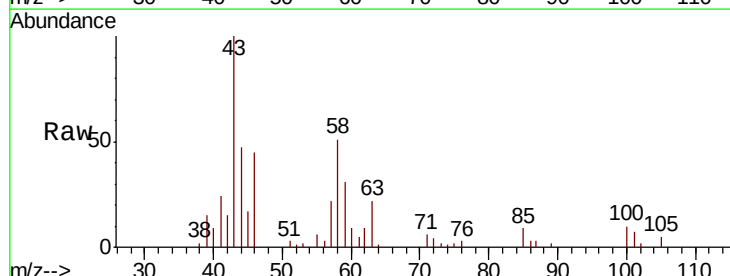
Ion Ratio Lower Upper

43 100

58 49.0 45.4 68.0

57 20.5 15.9 23.9

100 11.0 10.5 15.7

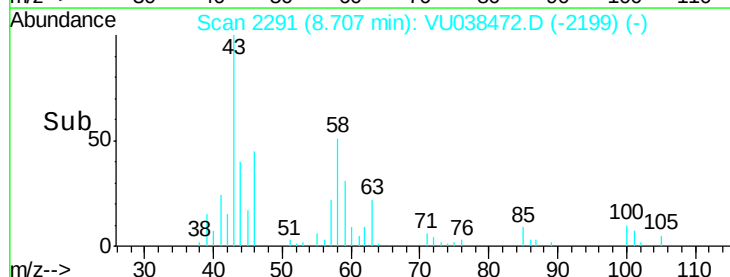
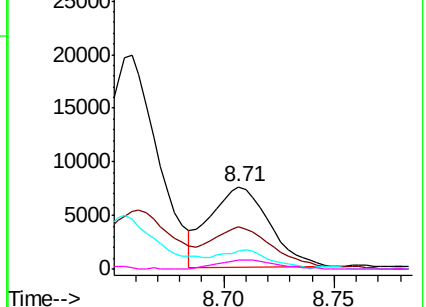


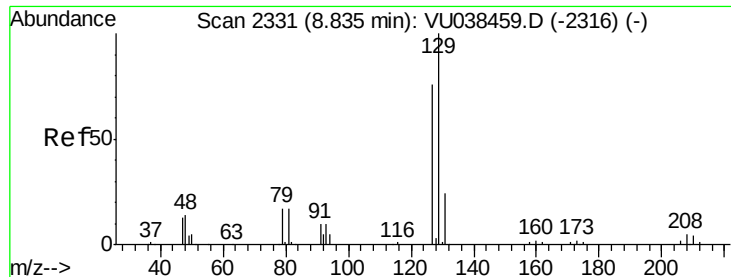
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

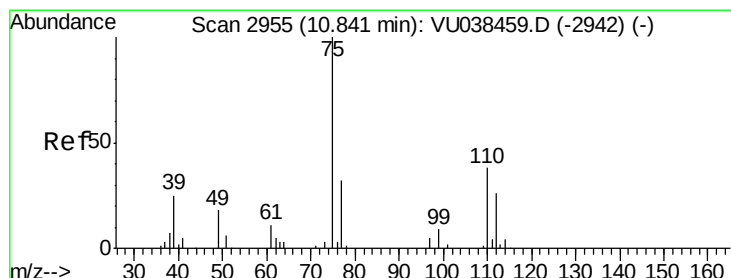
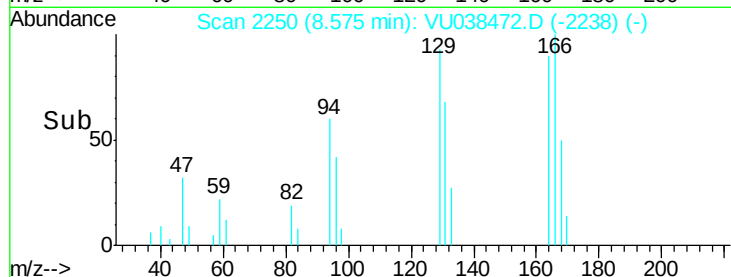
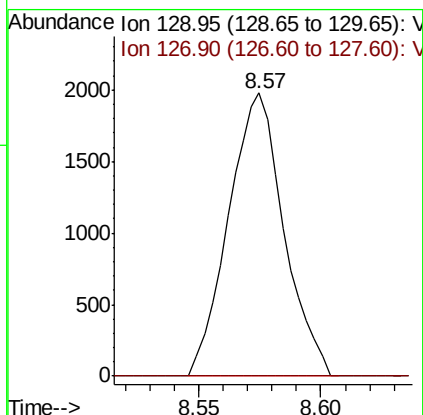
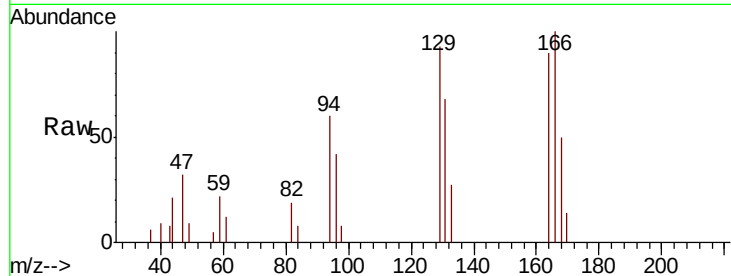




#49
 Dibromochloromethane
 Concen: 0.186 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 3107
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.3 99.1#



#59
 1,2,3-Trichloropropane
 Concen: 1.146 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038472.D
 Acq: 01 Jun 2020 15:42

Tgt Ion: 75 Resp: 17509
 Ion Ratio Lower Upper
 75 100
 77 36.9 25.4 38.2

