

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071420\
 Data File : VU039489.D
 Acq On : 14 Jul 2020 17:02
 Operator : SY/MD
 Sample : L3296-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF7

Quant Time: Jul 15 06:25:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 06:21:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	95362	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	90121	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23739	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	29075	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	38067	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.65	46	119206	47.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.28%
24) Chloroform-d	5.08	84	49218	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.72	65	34238	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.75	84	105170	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.70	67	35694	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	91172	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	8.19	79	14901	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.64	63	85666	42.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	32905	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	36332	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

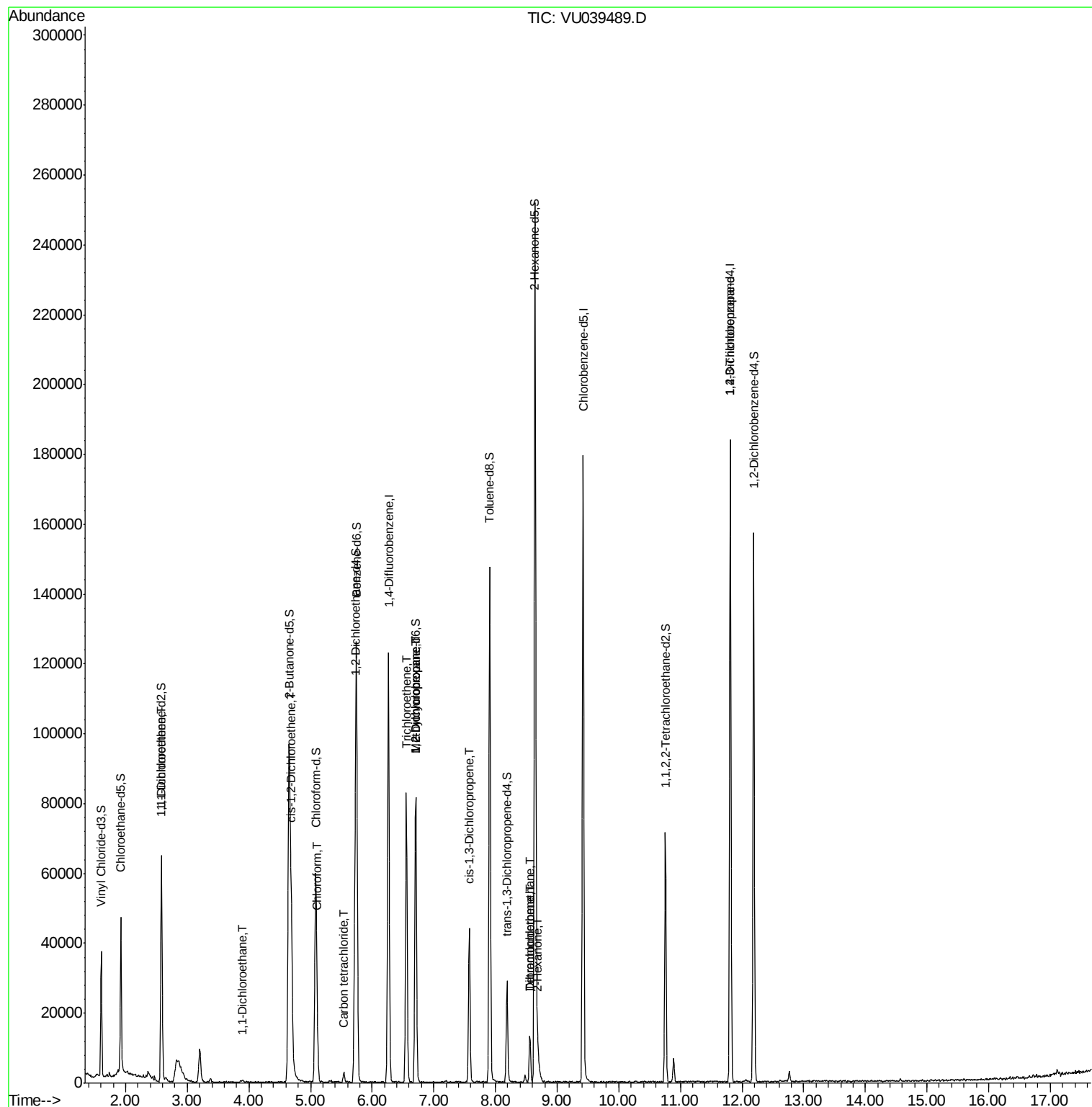
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	636	0.112	ug/L #	1
19) 1,1-Dichloroethane	3.90	63	1192	0.097	ug/L #	75
22) cis-1,2-Dichloroethene	4.69	96	13740	1.952	ug/L	88
25) Chloroform	5.11	83	8494	0.685	ug/L	95
31) Carbon tetrachloride	5.55	117	1680	0.186	ug/L	98
34) Trichloroethene	6.56	95	25356	3.640	ug/L	97
35) Methylcyclohexane	6.71	83	7849	0.703	ug/L #	23
37) 1,2-Dichloropropane	6.70	63	4529	0.617	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1217	0.110	ug/L #	52
47) Tetrachloroethene	8.56	164	2659	0.549	ug/L	92
48) 2-Hexanone	8.69	43	4280	0.947	ug/L #	90
49) Dibromochloromethane	8.56	129	2496	0.391	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6865	1.268	ug/L	95

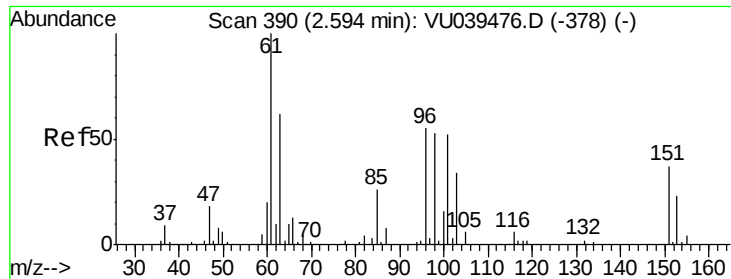
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039489.D

Acq: 14 Jul 2020 17:02

Instrument :

MSVOA_U

ClientSampleId :

C0AF7

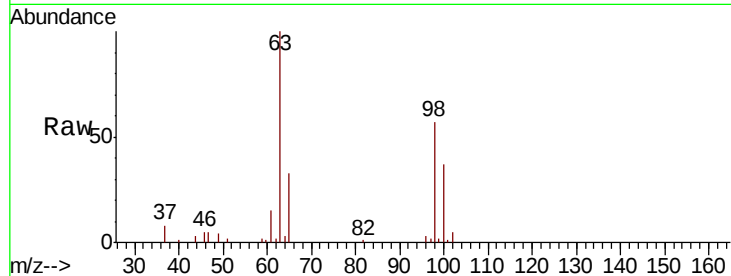
Tot Ion: 96 Resp: 636

Ion Ratio Lower Upper

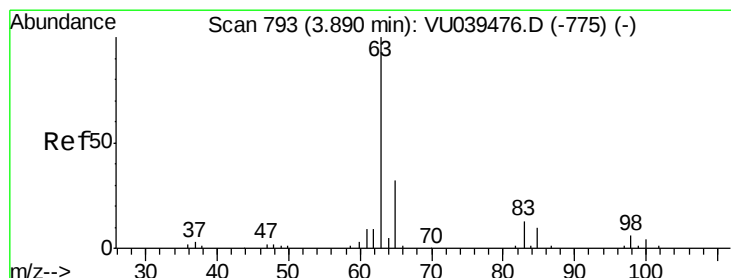
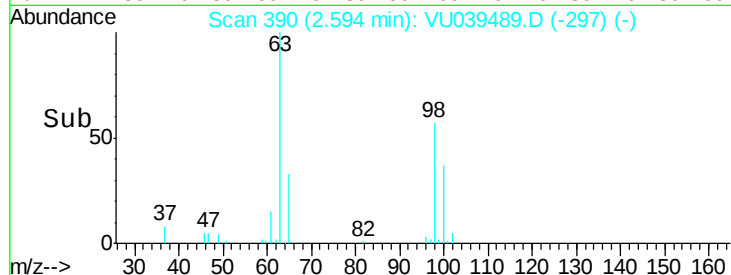
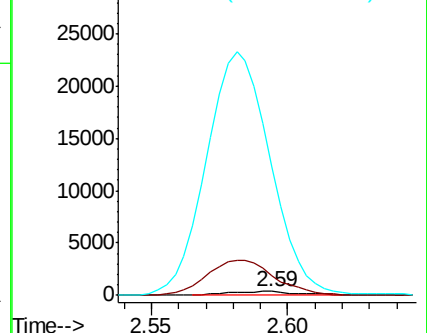
96 100

61 464.9 125.4 232.8#

63 3085.2 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#19

1,1-Dichloroethane

Concen: 0.097 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039489.D

Acq: 14 Jul 2020 17:02

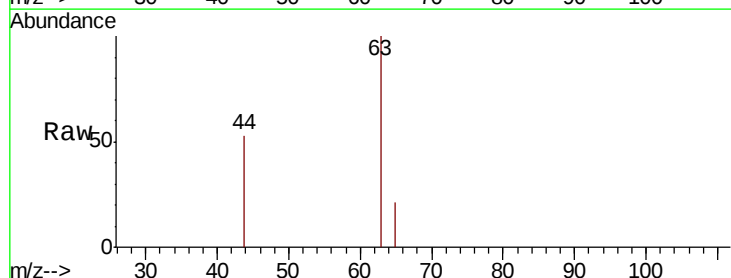
Tgt Ion: 63 Resp: 1192

Ion Ratio Lower Upper

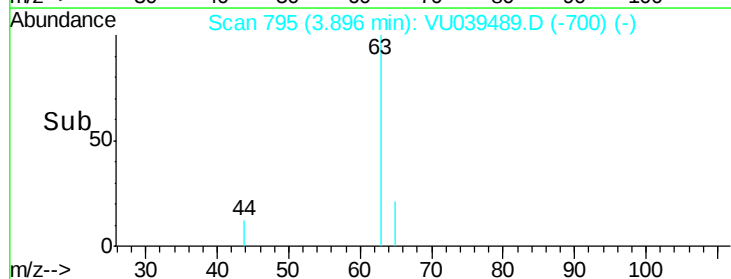
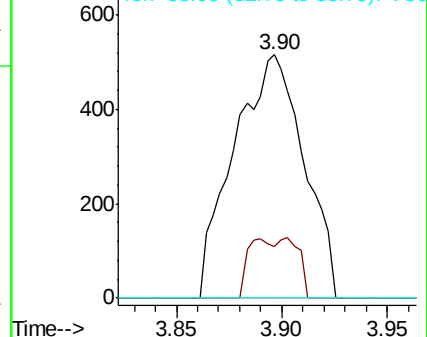
63 100

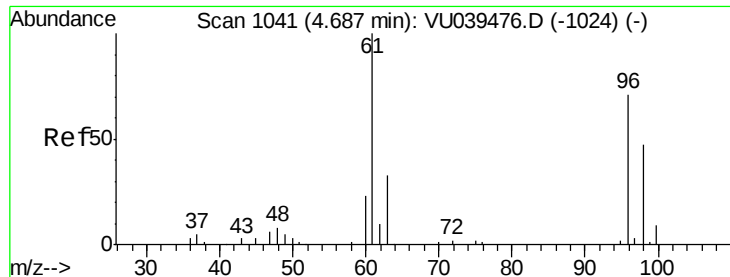
65 21.1 23.0 42.6#

83 0.0 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

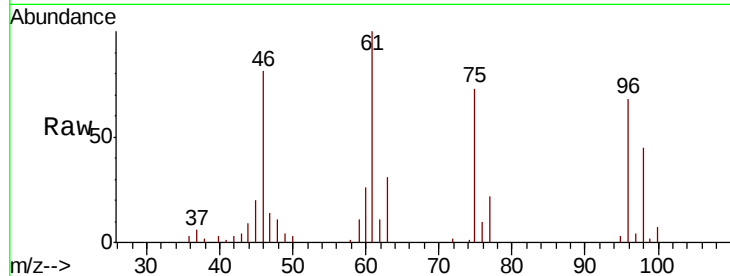




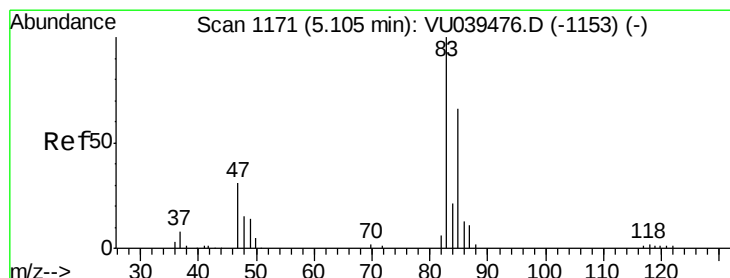
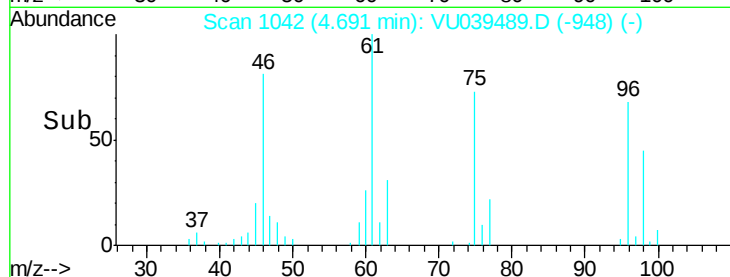
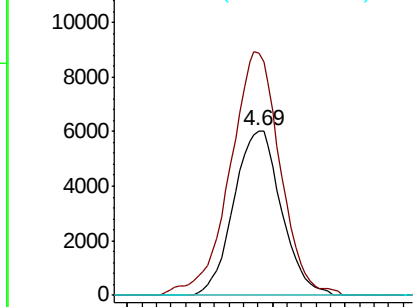
#22
 cis-1,2-Dichloroethene
 Concen: 1.952 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039489.D
 Acq: 14 Jul 2020 17:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AF7

Tot Ion: 96 Resp: 13740
 Ion Ratio Lower Upper
 96 100
 61 147.2 92.8 172.4
 68 0.0 0.0 0.0

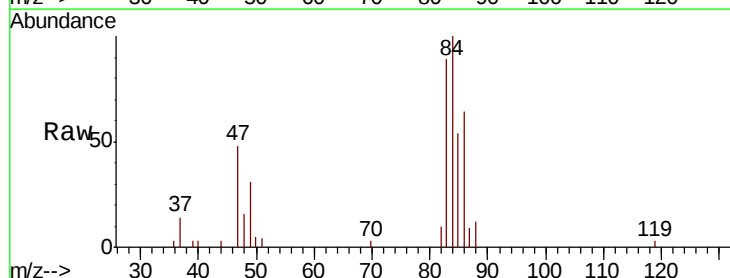


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

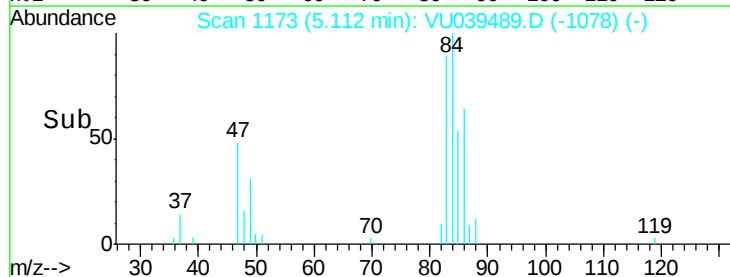
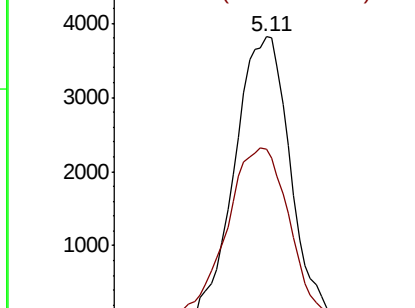


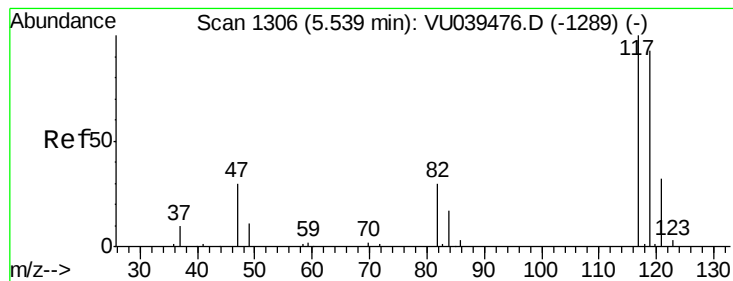
#25
 Chloroform
 Concen: 0.685 ug/L
 RT: 5.11 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VU039489.D
 Acq: 14 Jul 2020 17:02

Tgt Ion: 83 Resp: 8494
 Ion Ratio Lower Upper
 83 100
 85 60.2 44.9 83.5



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





#31

Carbon tetrachloride

Concen: 0.186 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

Lab File: VU039489.D

Acq: 14 Jul 2020 17:02

Instrument :

MSVOA_U

ClientSampled :

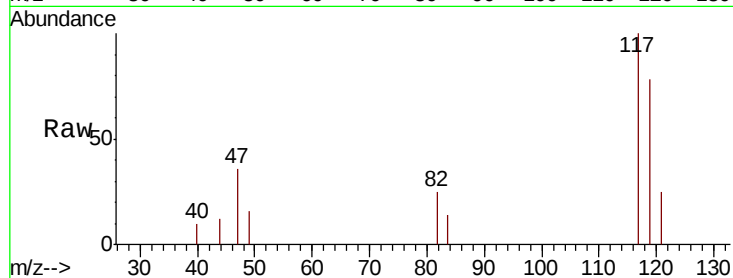
C0AF7

Tot Ion:117 Resp: 1680

Ion Ratio Lower Upper

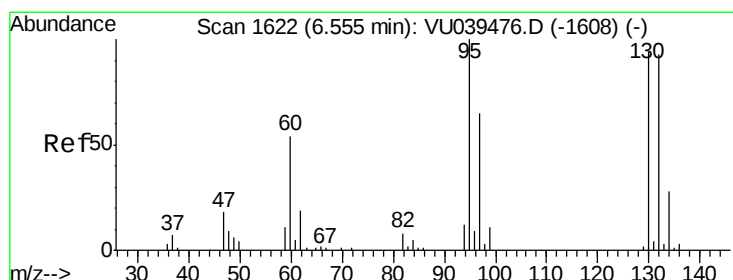
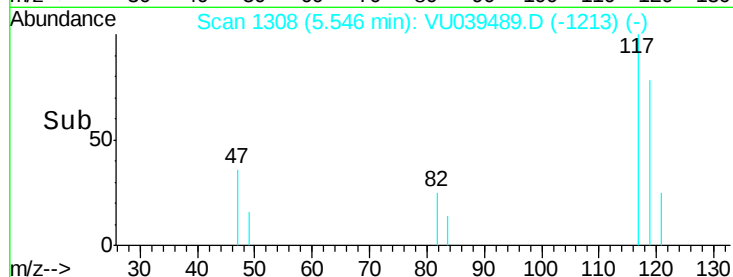
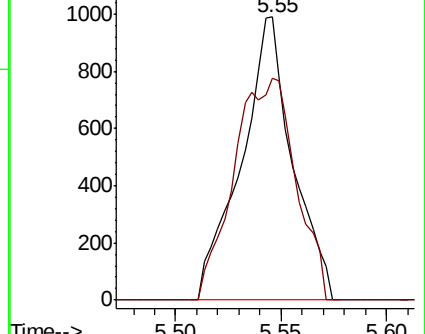
117 100

119 94.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 3.640 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039489.D

Acq: 14 Jul 2020 17:02

Tgt Ion: 95 Resp: 25356

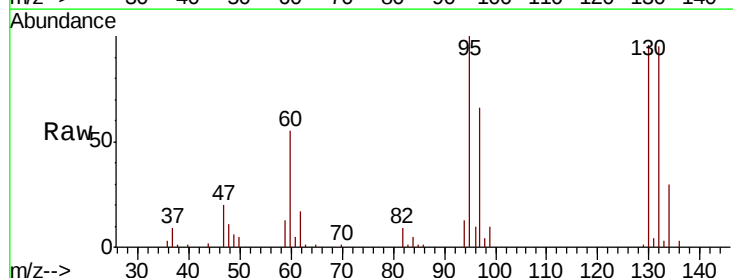
Ion Ratio Lower Upper

95 100

97 66.5 46.3 85.9

132 94.6 64.0 118.8

130 95.8 64.3 119.5

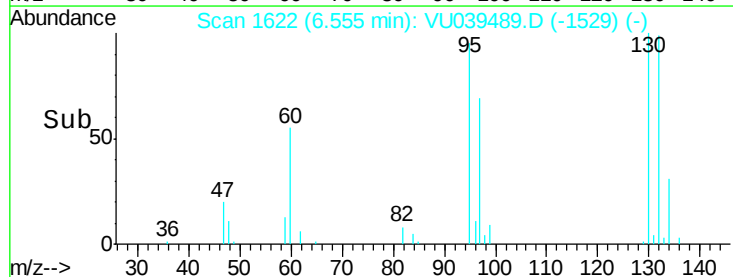
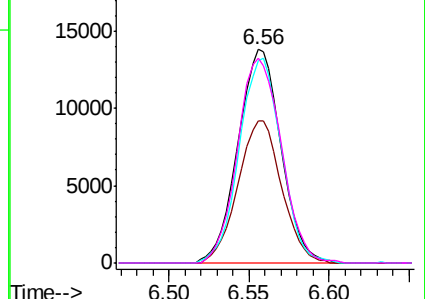


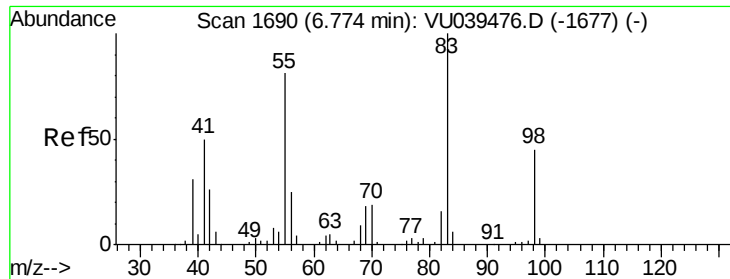
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

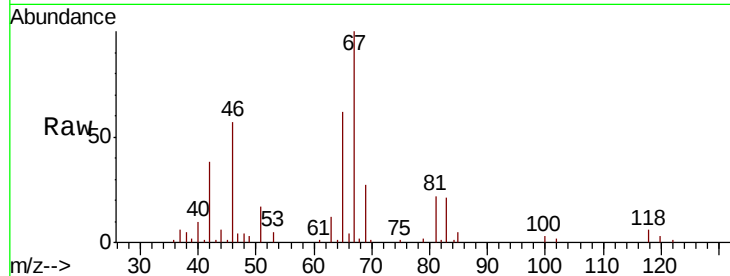




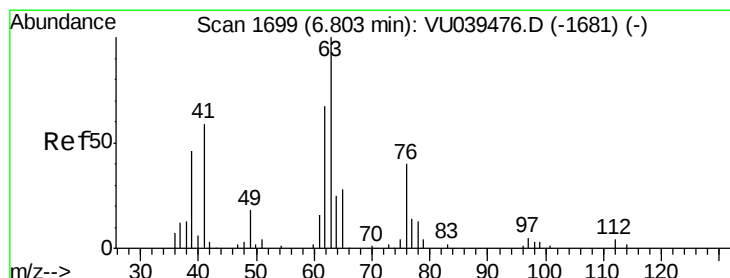
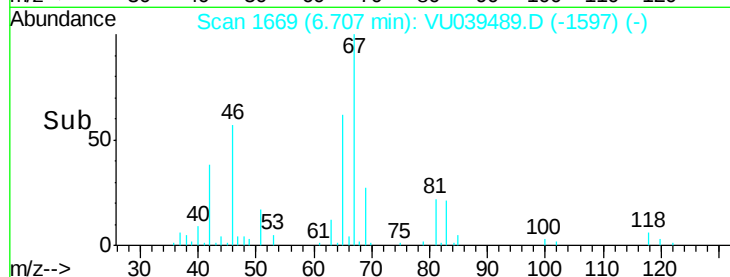
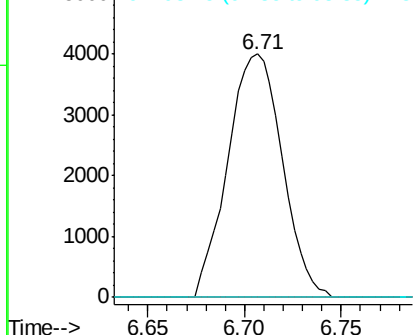
#35
Methvlcvclohexane
Concen: 0.703 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039489.D
Acq: 14 Jul 2020 17:02

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ClientSampleId :
C0AF7

Tot Ion: 83 Resp: 7849
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 9.5 35.9 53.9#

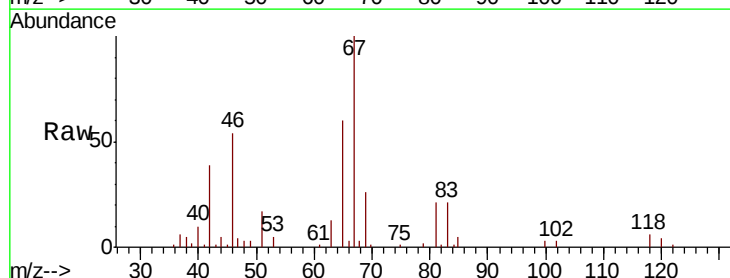


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

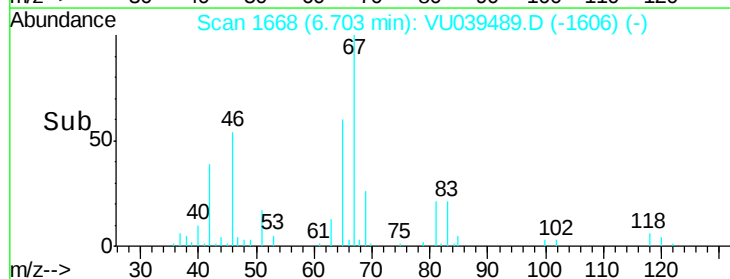
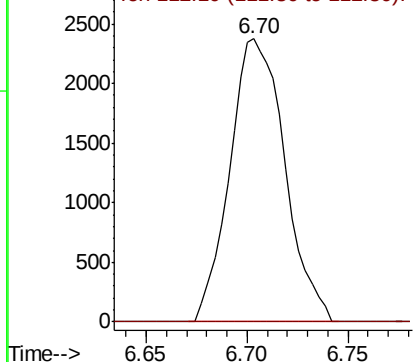


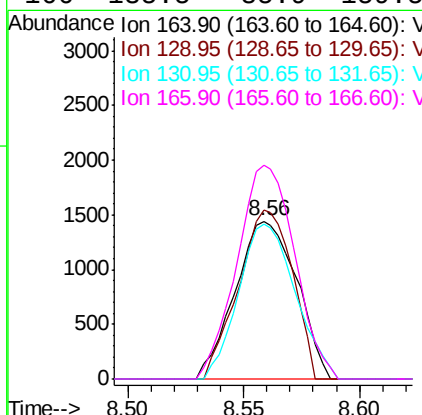
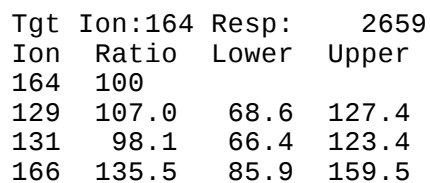
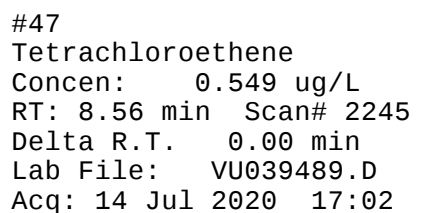
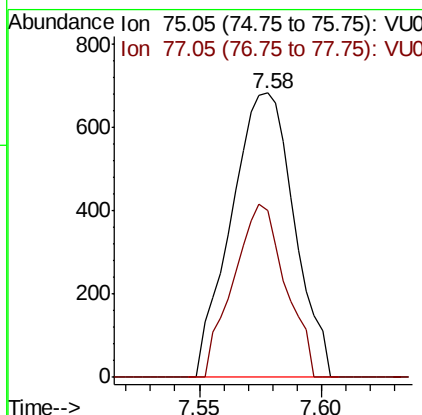
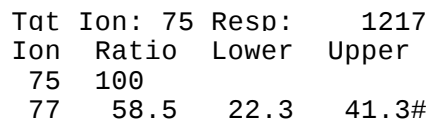
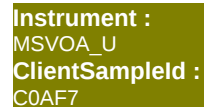
#37
1,2-Dichloropropane
Concen: 0.617 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039489.D
Acq: 14 Jul 2020 17:02

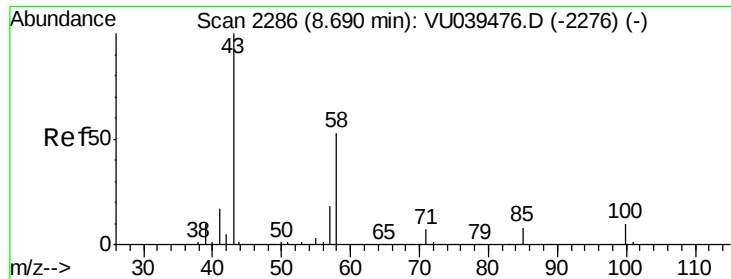
Tgt Ion: 63 Resp: 4529
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



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



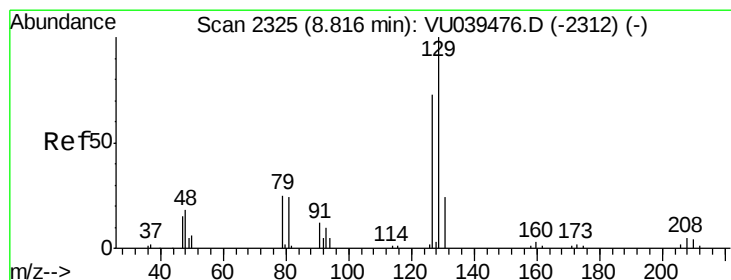
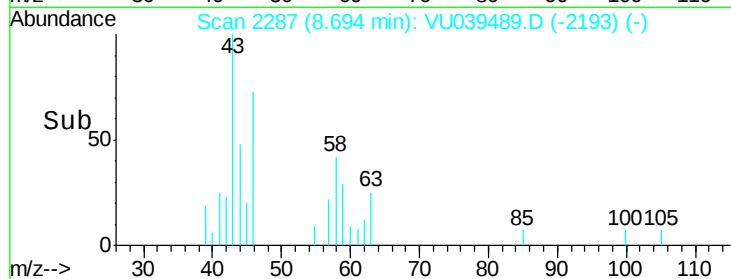
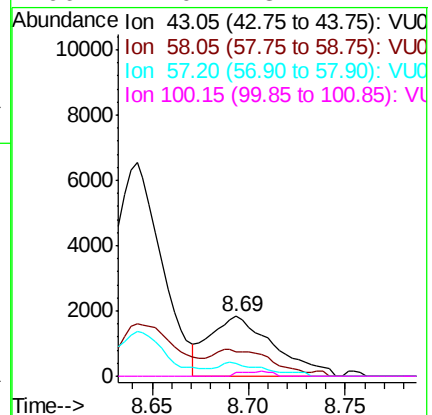
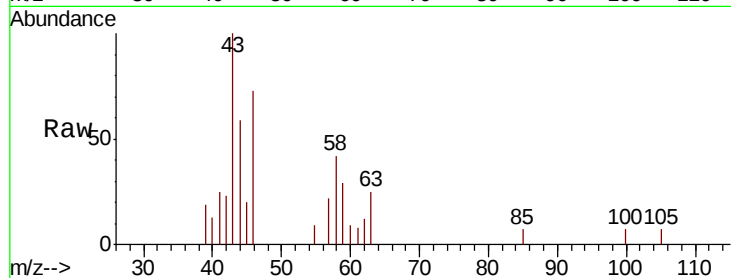




#48
2-Hexanone
Concen: 0.947 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039489.D
Acq: 14 Jul 2020 17:02

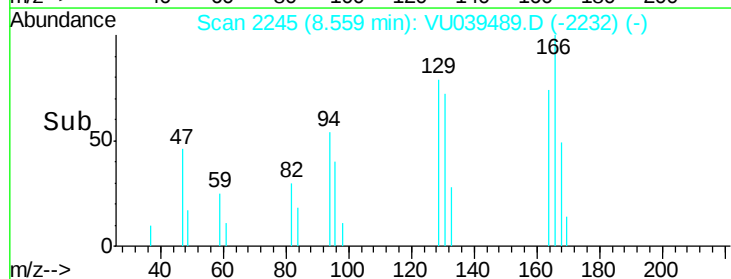
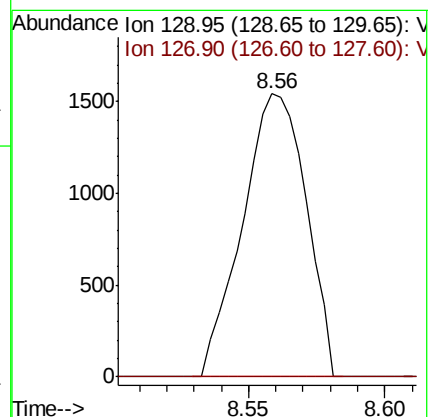
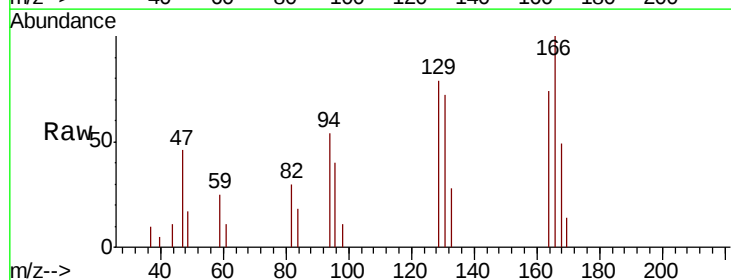
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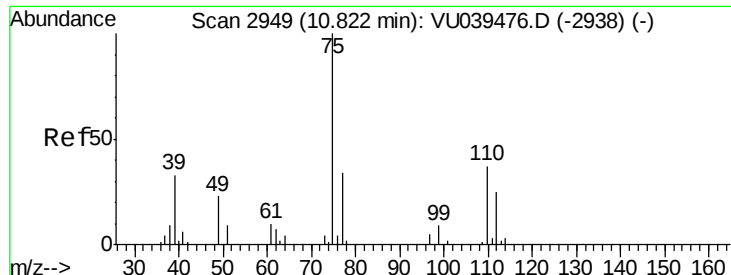
Tot Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
58 44.4 42.0 63.0
57 17.6 14.0 21.0
100 4.0 8.2 12.2#



#49
Dibromochloromethane
Concen: 0.391 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039489.D
Acq: 14 Jul 2020 17:02

Tgt Ion: 129 Resp: 2496
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 1.268 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039489.D

Acq: 14 Jul 2020 17:02

Instrument :

MSVOA_U

ClientSampleId :

C0AF7

Tot Ion: 75 Resp: 6865

Ion Ratio Lower Upper

75 100

77 36.3 26.8 40.2

