

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039405.D
 Acq On : 09 Jul 2020 19:06
 Operator : SY/MD
 Sample : L3231-04DL 2X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4290DL

Quant Time: Jul 10 00:23:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 10 00:19:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100238	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	93177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26871	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.93	69	31296	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.58	63	42719	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.65	46	156748	58.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.94%
24) Chloroform-d	5.08	84	66786	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	43262	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.75	84	125460	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.71	67	44296	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	7.91	98	108868	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
43) trans-1,3-Dichloropropene-	8.19	79	16828	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	110989	53.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.52%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	40097	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44159	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

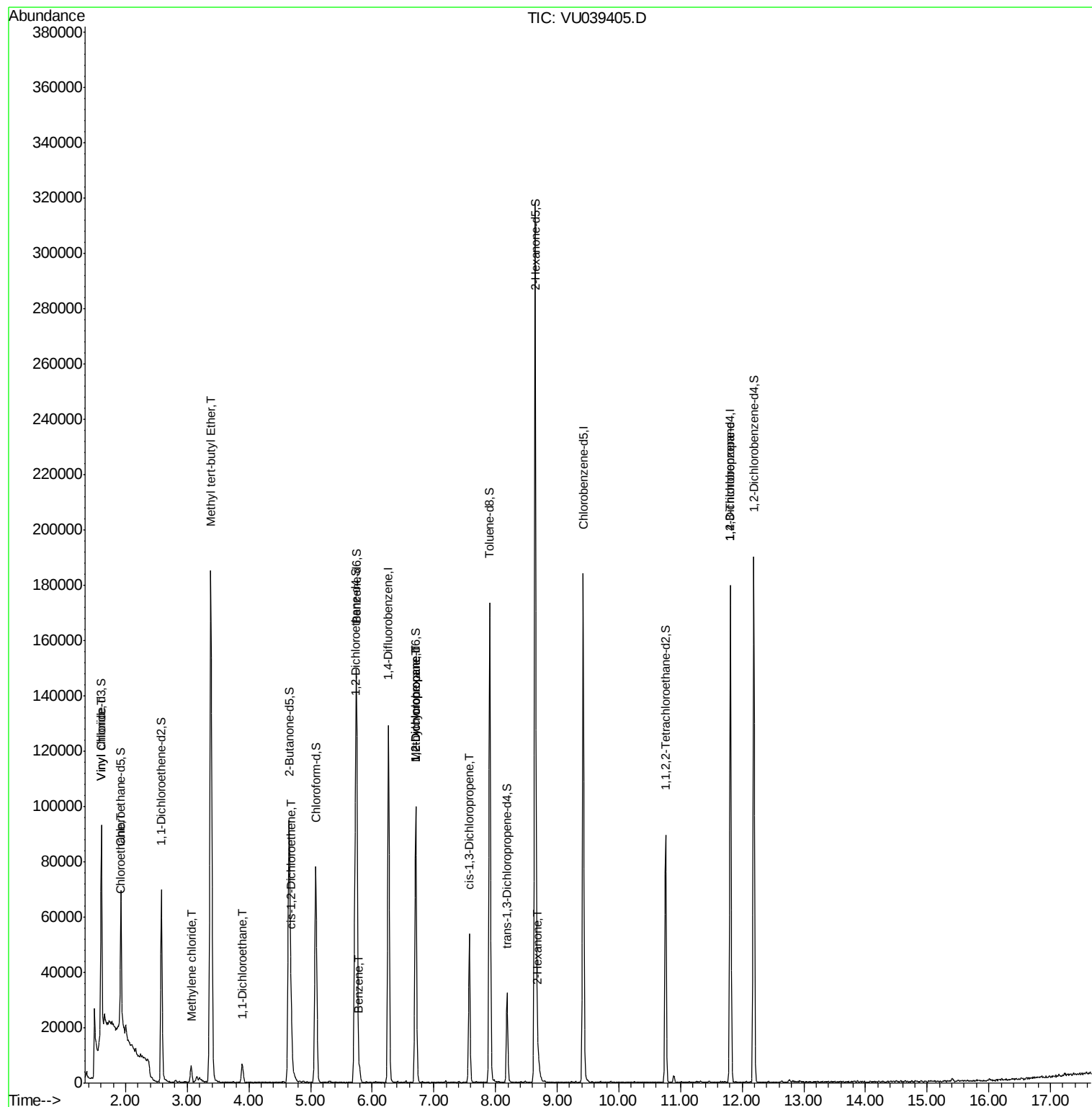
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	9399	1.150	ug/L #	1
8) Chloroethane	1.91	64	710	0.120	ug/L #	52
16) Methylene chloride	3.07	84	2511	0.335	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	204759	10.901	ug/L	99
19) 1,1-Dichloroethane	3.89	63	7694	0.596	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	2669	0.361	ug/L	95
33) Benzene	5.79	78	4241	0.152	ug/L	100
35) Methylcyclohexane	6.71	83	9571	0.830	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	5018	0.661	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1467	0.128	ug/L	92
48) 2-Hexanone	8.69	43	5078	1.087	ug/L #	92
59) 1,2,3-Trichloropropane	11.81	75	6893	1.232	ug/L	92

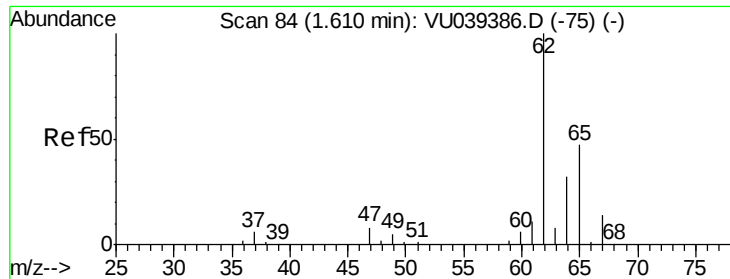
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.150 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039405.D

Acq: 09 Jul 2020 19:06

Instrument :

MSVOA_U

ClientSampleID :

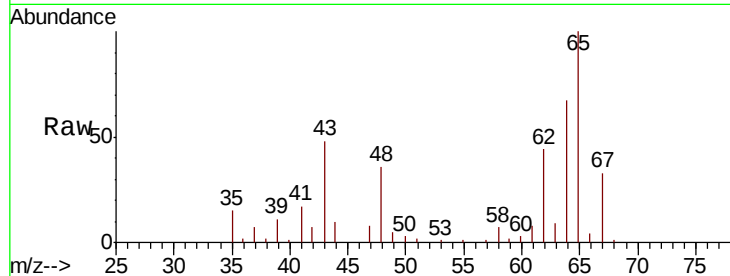
H4290DL

Tot Ion: 62 Resp: 9399

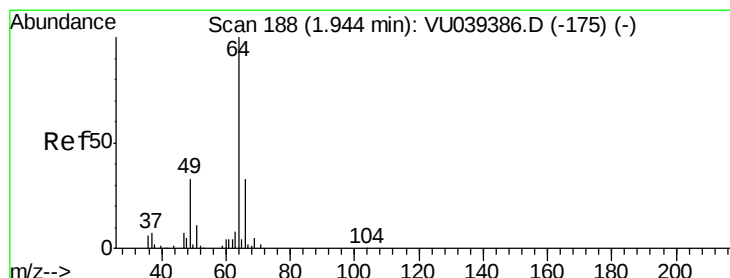
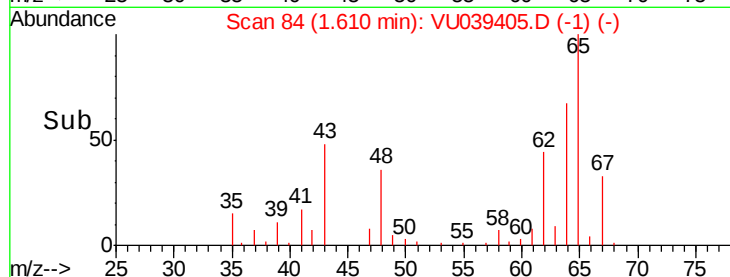
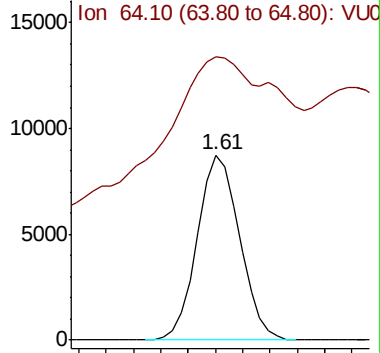
Ion Ratio Lower Upper

62 100

64 152.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU039405.D (-1) (-)



#8

Chloroethane

Concen: 0.120 ug/L

RT: 1.91 min Scan# 176

Delta R.T. -0.04 min

Lab File: VU039405.D

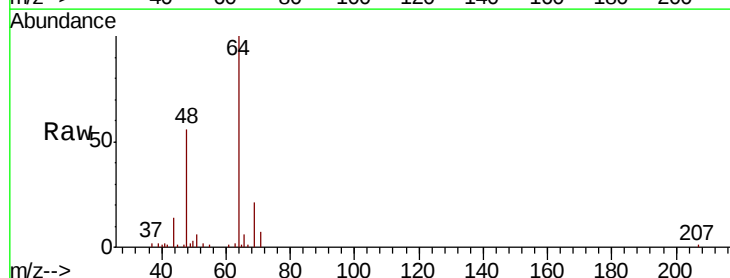
Acq: 09 Jul 2020 19:06

Tgt Ion: 64 Resp: 710

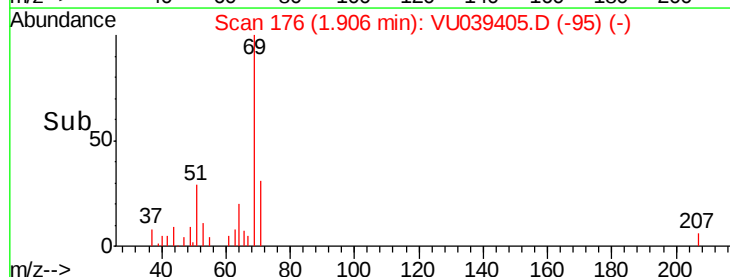
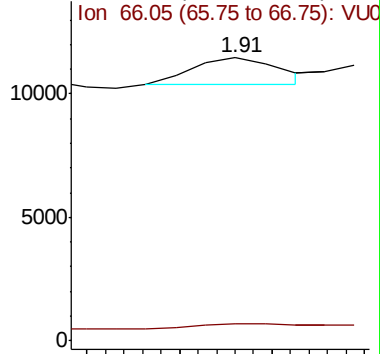
Ion Ratio Lower Upper

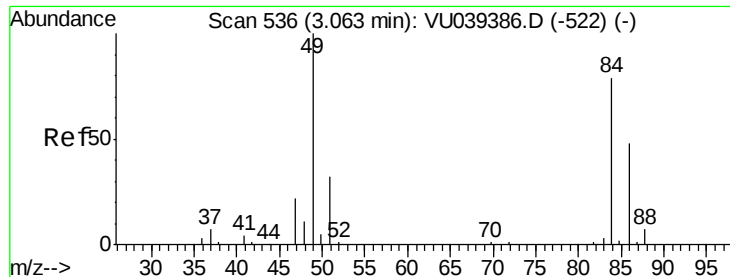
64 100

66 6.2 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039405.D (-95) (-)

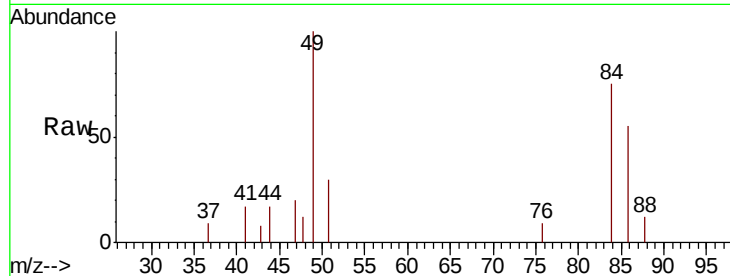




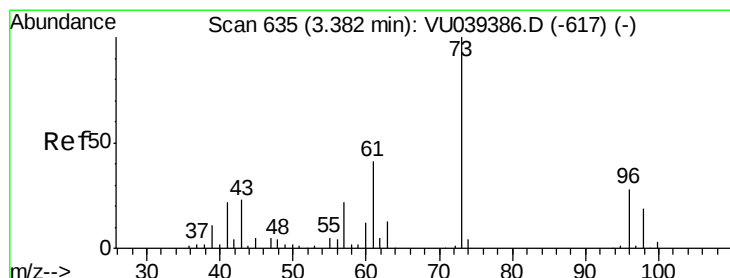
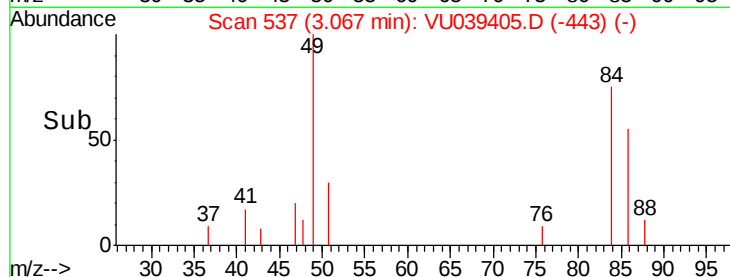
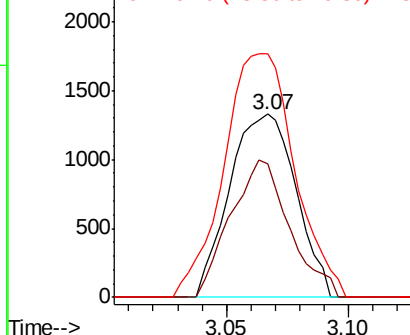
#16
Methylene chloride
Concen: 0.335 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

Instrument :
MSVOA_U
ClientSampleId :
H4290DL

Tot Ion: 84 Resp: 2511
Ion Ratio Lower Upper
84 100
86 73.1 43.5 80.9
49 132.8 91.1 169.1

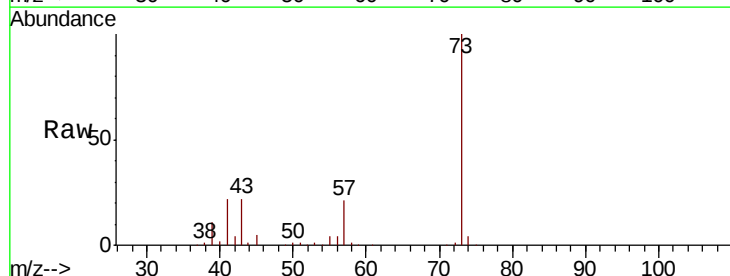


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

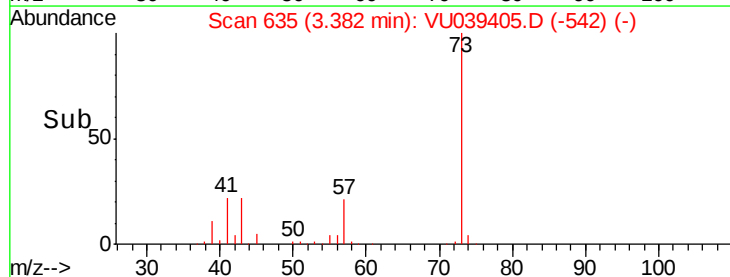
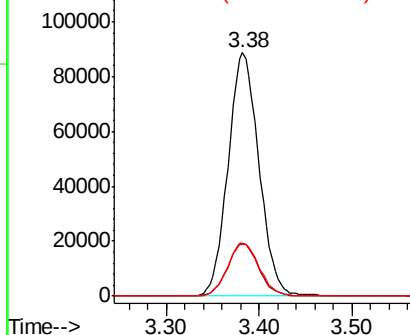


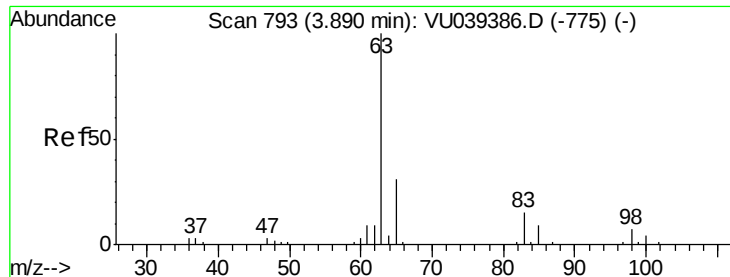
#17
Methyl tert-butyl Ether
Concen: 10.901 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

Tgt Ion: 73 Resp: 204759
Ion Ratio Lower Upper
73 100
43 22.0 18.6 28.0
57 22.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

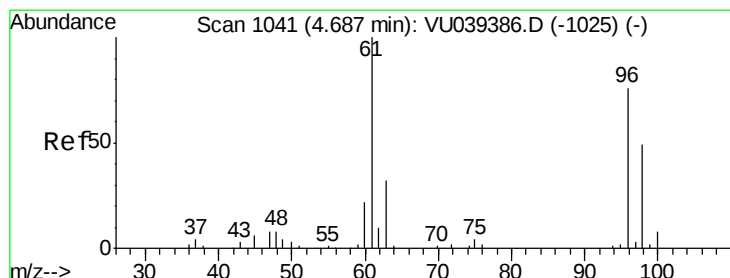
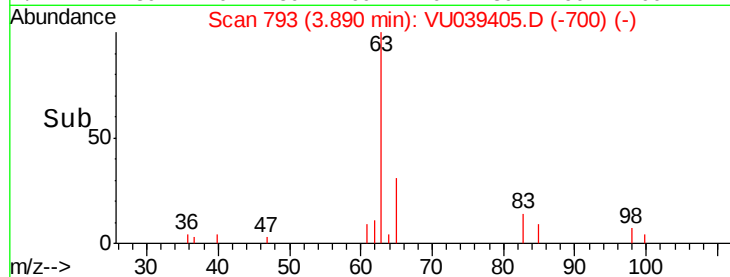
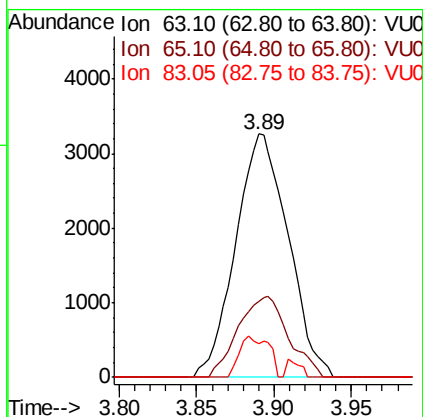
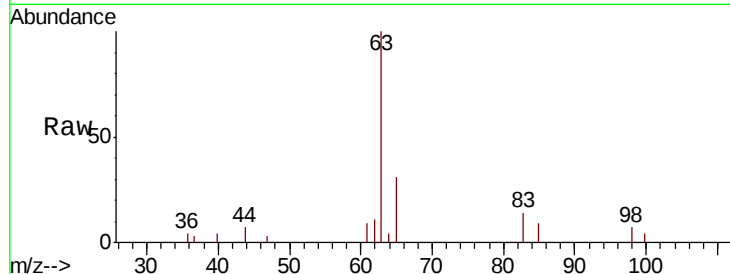




#19
 1,1-Dichloroethane
 Concen: 0.596 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039405.D
 Acq: 09 Jul 2020 19:06

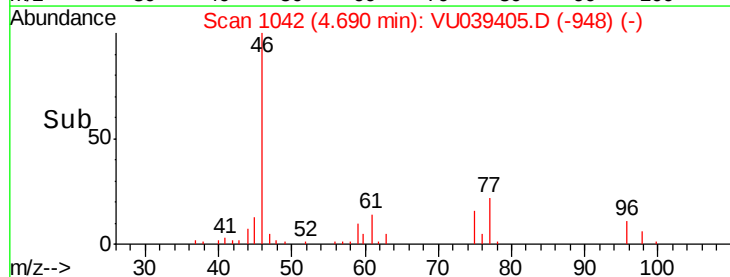
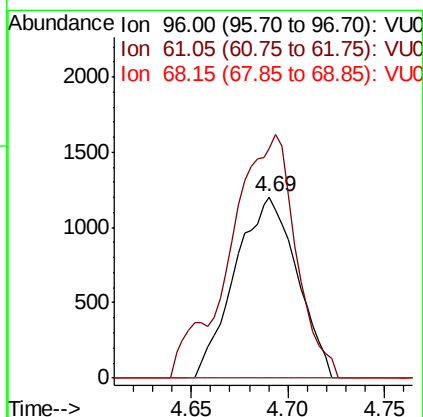
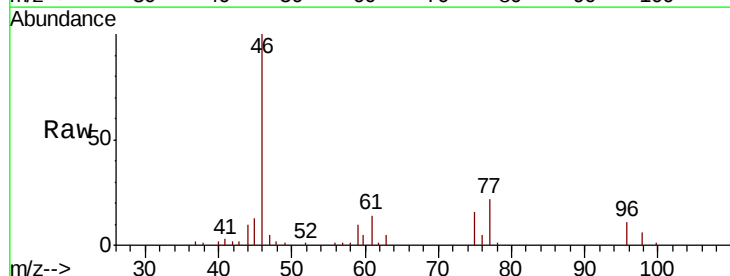
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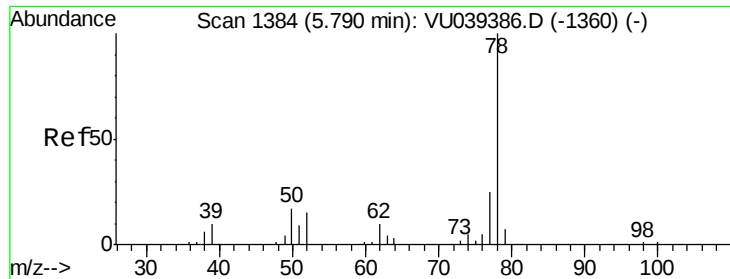
Tot Ion: 63 Resp: 7694
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.0 42.6
 83 13.9 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.361 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039405.D
 Acq: 09 Jul 2020 19:06

Tgt Ion: 96 Resp: 2669
 Ion Ratio Lower Upper
 96 100
 61 126.9 92.8 172.4
 68 0.0 0.0 0.0

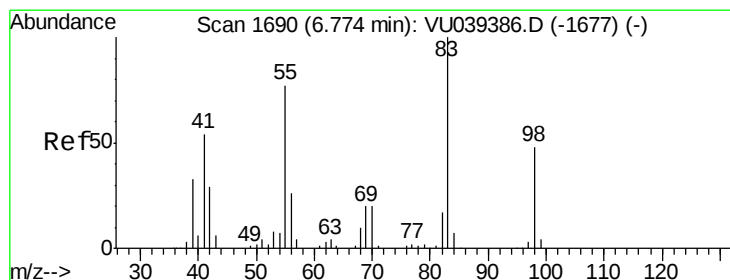
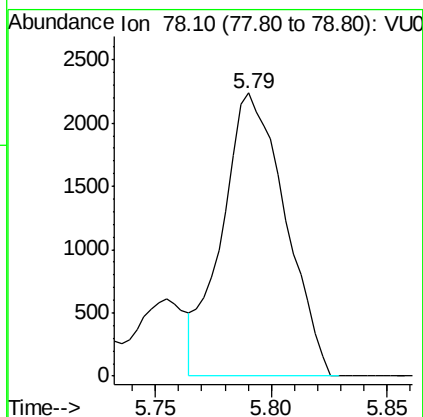
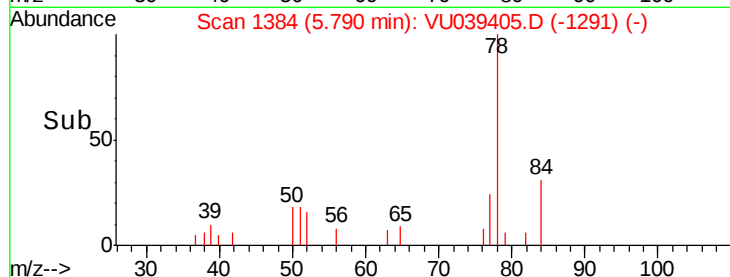
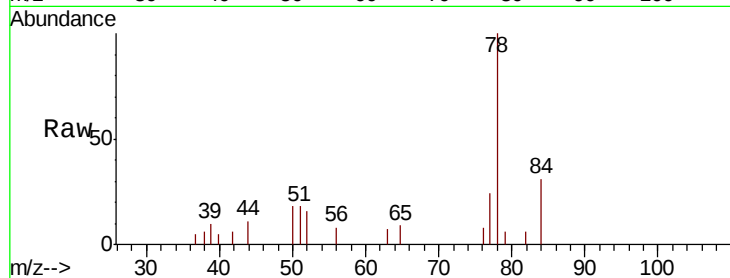




#33
Benzene
Concen: 0.152 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

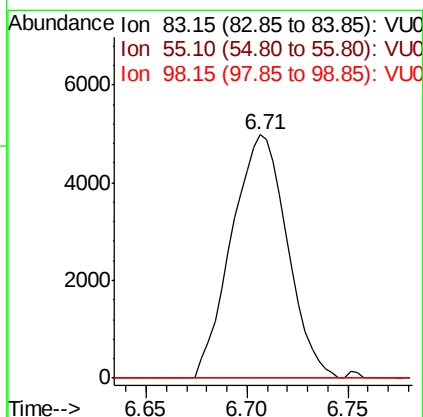
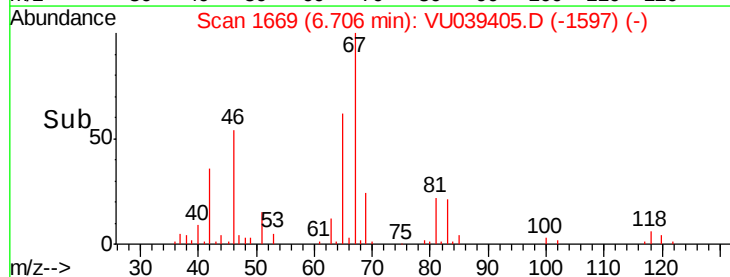
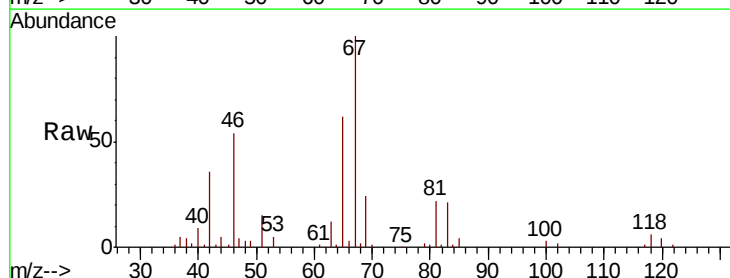
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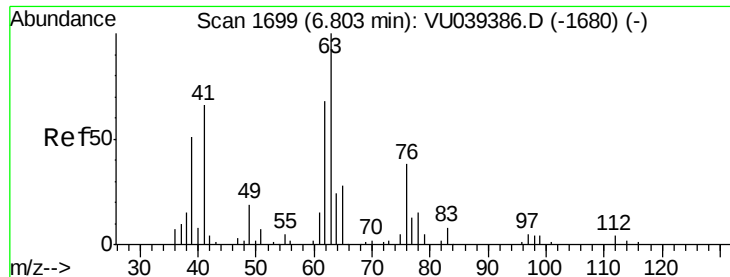
Tgt Ion: 78 Resp: 4241



#35
Methylcyclohexane
Concen: 0.830 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

Tgt Ion: 83 Resp: 9571
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#

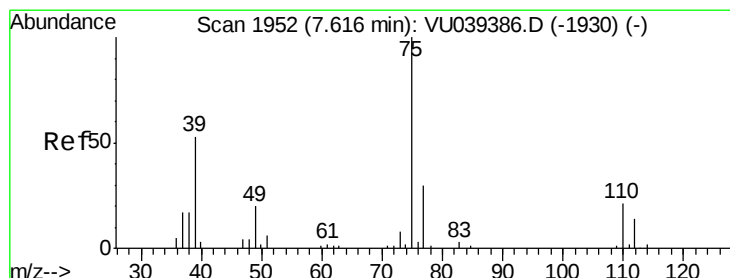
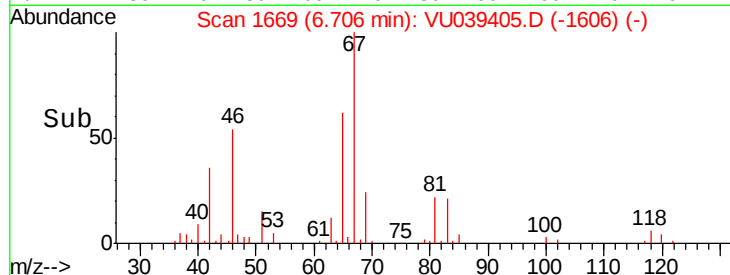
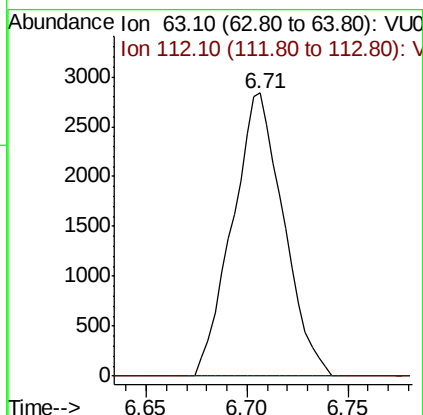
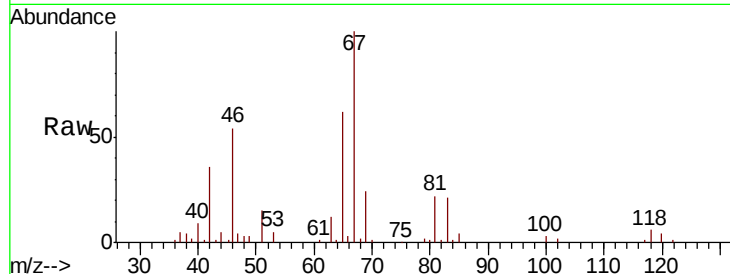




#37
 1,2-Dichloropropane
 Concen: 0.661 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039405.D
 Acq: 09 Jul 2020 19:06

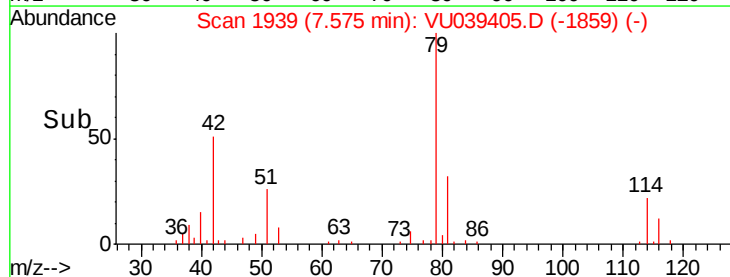
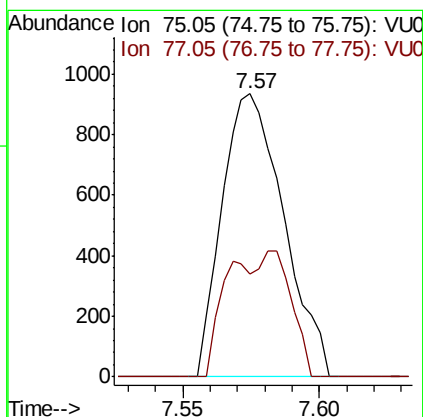
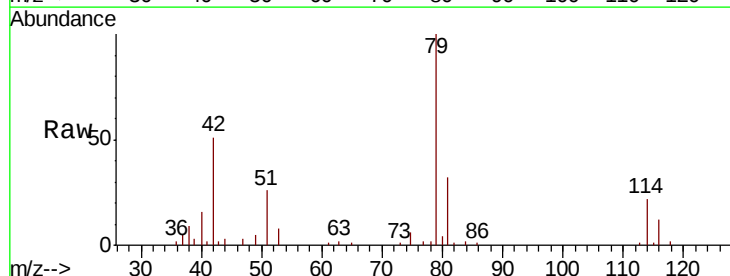
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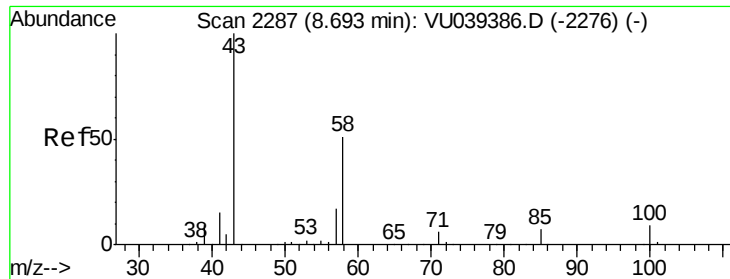
Tot Ion: 63 Resp: 5018
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.128 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039405.D
 Acq: 09 Jul 2020 19:06

Tgt Ion: 75 Resp: 1467
 Ion Ratio Lower Upper
 75 100
 77 36.4 22.3 41.3

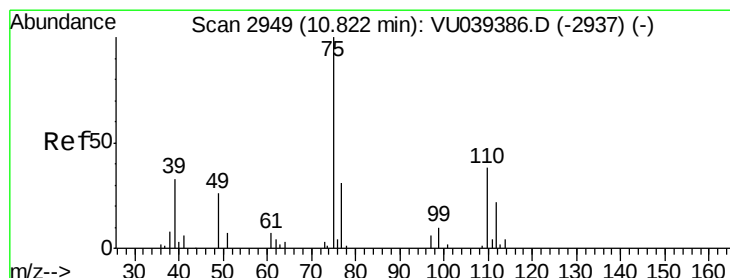
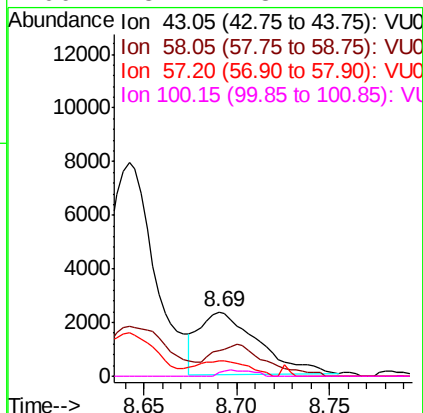
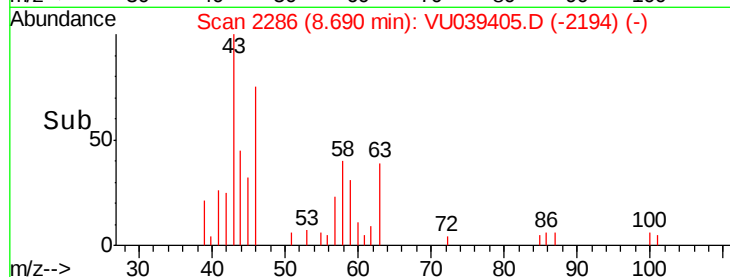
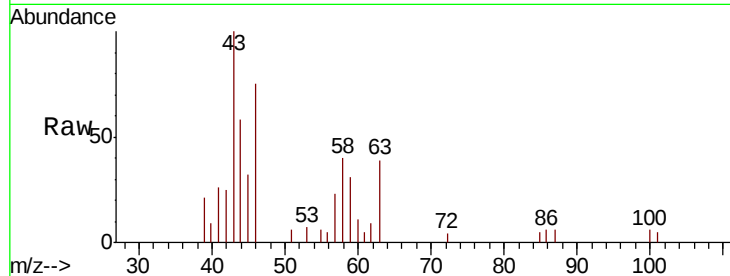




#48
2-Hexanone
Concen: 1.087 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

Instrument :
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Tot Ion: 43 Resp: 5078
Ion Ratio Lower Upper
43 100
58 48.1 42.0 63.0
57 21.7 14.0 21.0#
100 5.4 8.2 12.2#



#59
1,2,3-Trichloropropane
Concen: 1.232 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039405.D
Acq: 09 Jul 2020 19:06

Tgt Ion: 75 Resp: 6893
Ion Ratio Lower Upper
75 100
77 37.8 26.8 40.2

