

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070920\
 Data File : VU039406.D
 Acq On : 09 Jul 2020 19:29
 Operator : SY/MD
 Sample : L3231-05DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4291DL

Quant Time: Jul 10 00:23:19 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	101024	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	92586	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45640	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	25159	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	52954	8.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	176.80%#
11) 1,1-Dichloroethene-d2	2.57	63	43621	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.66	46	157588	58.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.64%
24) Chloroform-d	5.09	84	61361	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	43058	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.74	84	130338	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.00%
36) 1,2-Dichloropropane-d6	6.70	67	45048	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.00%
41) Toluene-d8	7.91	98	111200	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
43) trans-1,3-Dichloropropene-	8.19	79	18747	5.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.40%
46) 2-Hexanone-d5	8.65	63	122525	59.73	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.46%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	44389	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46608	5.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.40%

Target Compounds

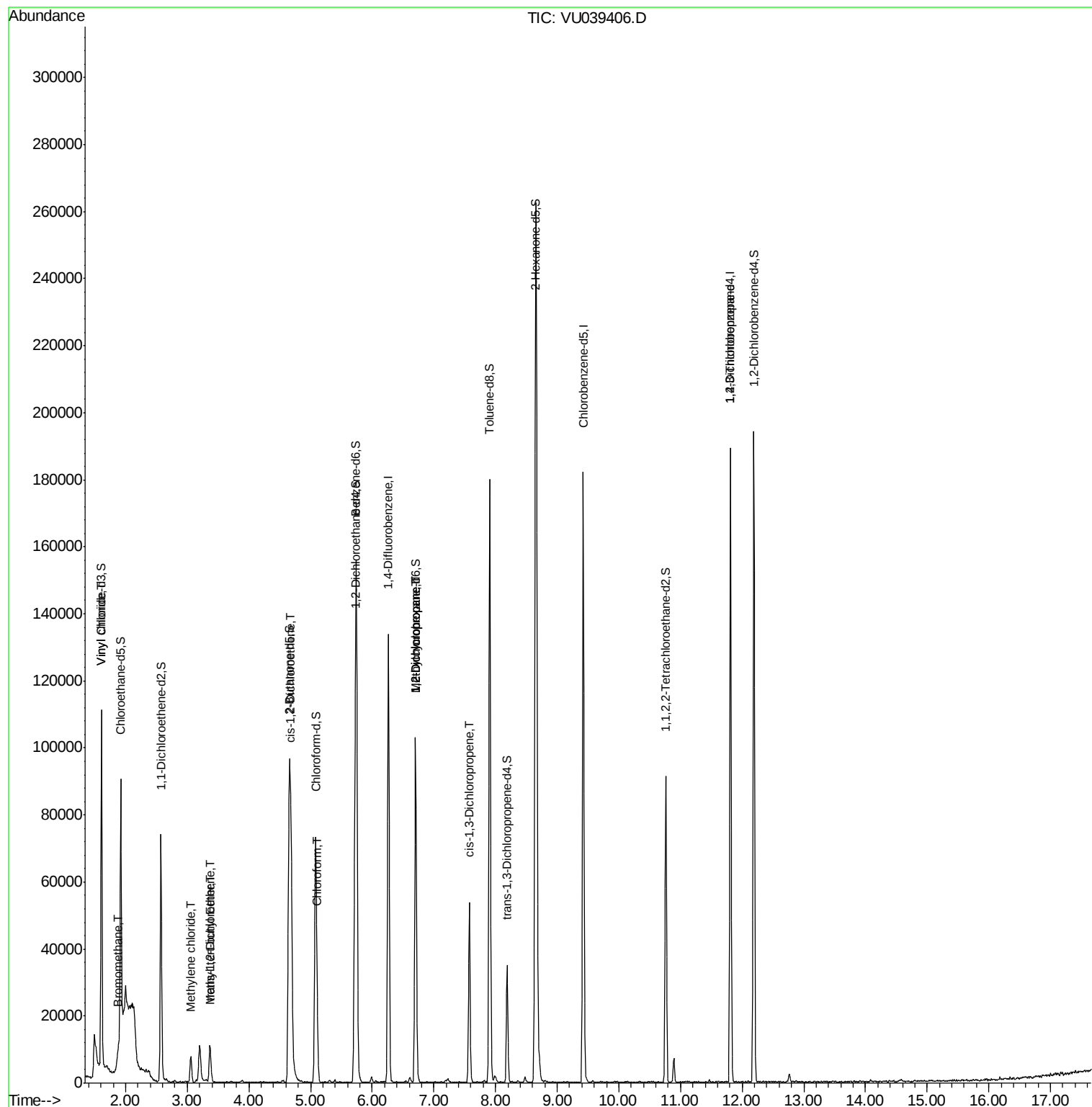
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	49616	6.023	ug/L	96
6) Bromomethane	1.87	94	540	0.152	ug/L	84
16) Methylene chloride	3.06	84	3222	0.426	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	2745	0.145	ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	3538	0.532	ug/L	95
22) cis-1,2-Dichloroethene	4.68	96	18590	2.493	ug/L	98
25) Chloroform	5.11	83	9404	0.716	ug/L	97
35) Methylcyclohexane	6.70	83	10167	0.887	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5548	0.735	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1597	0.140	ug/L #	67
59) 1,2,3-Trichloropropane	11.81	75	6906	1.242	ug/L	93

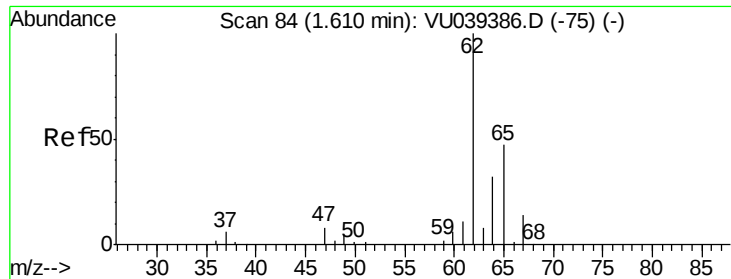
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.023 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039406.D

Acq: 09 Jul 2020 19:29

Instrument :

MSVOA_U

ClientSampleID :

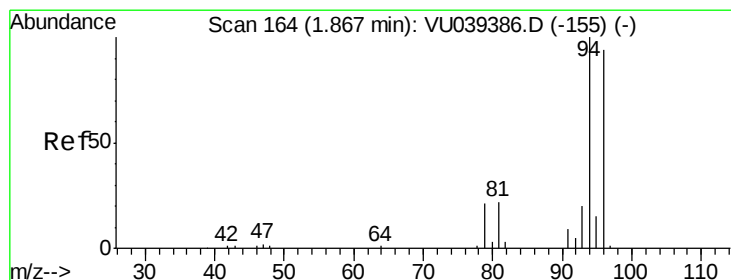
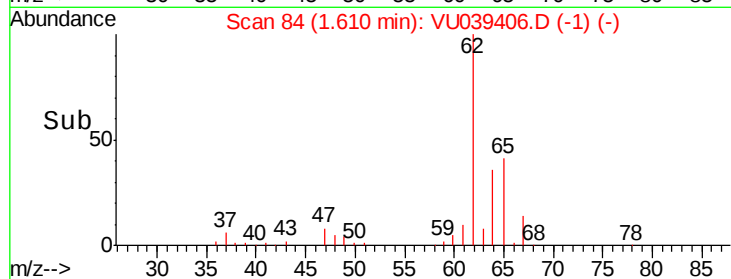
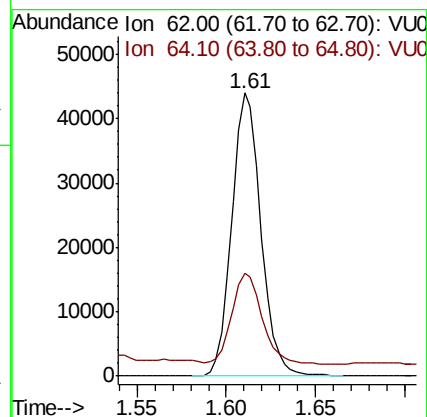
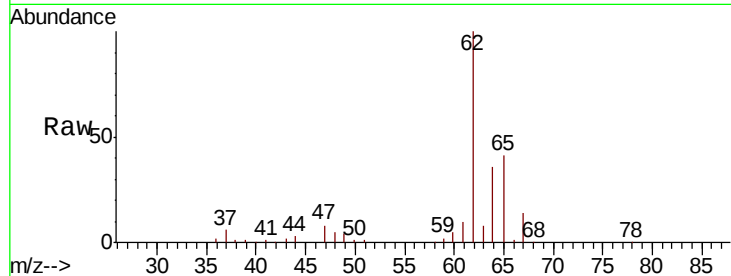
H4291DL

Tot Ion: 62 Resp: 49616

Ion Ratio Lower Upper

62 100

64 36.2 23.7 44.1



#6

Bromomethane

Concen: 0.152 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039406.D

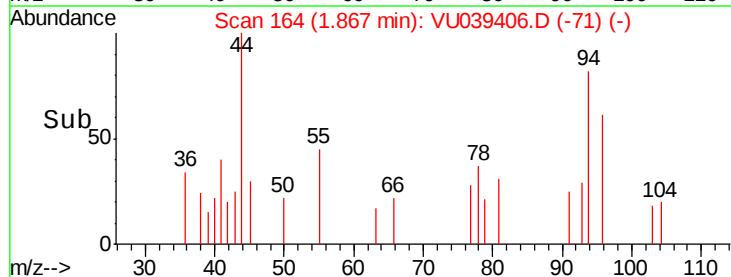
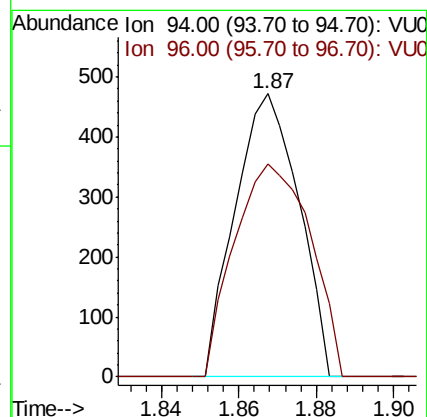
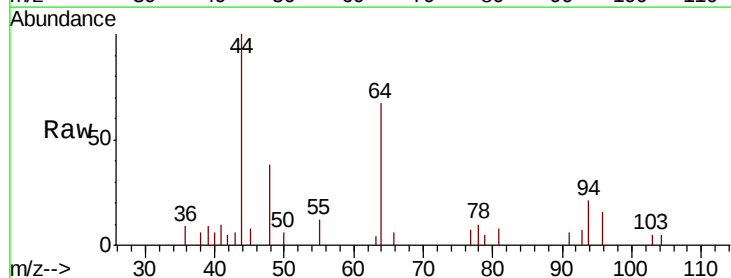
Acq: 09 Jul 2020 19:29

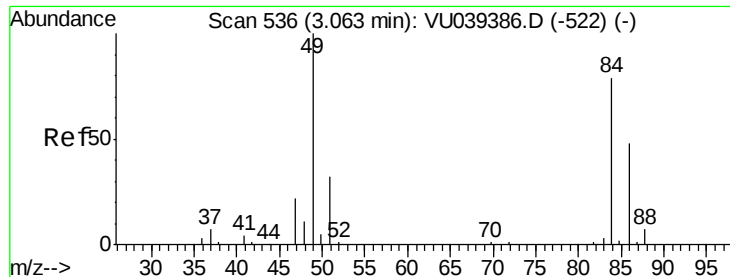
Tgt Ion: 94 Resp: 540

Ion Ratio Lower Upper

94 100

96 75.0 62.7 116.5

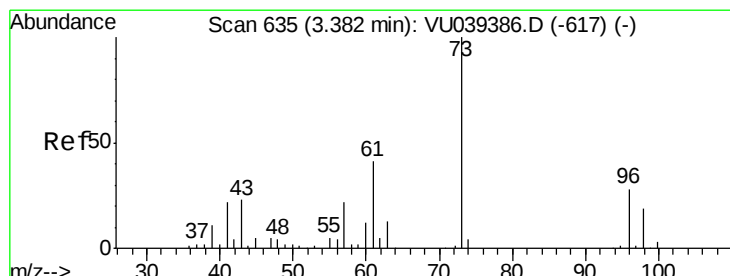
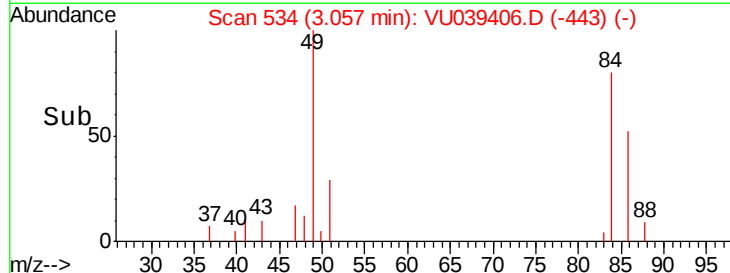
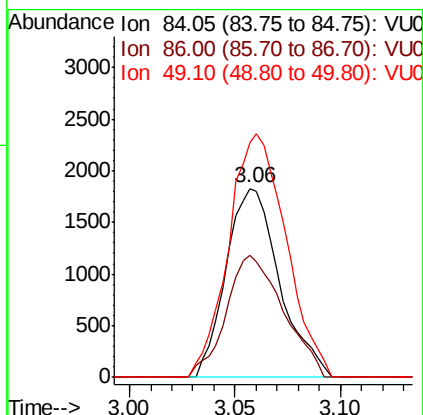
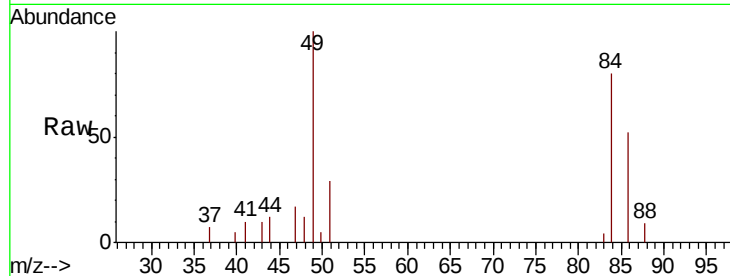




#16
Methvlene chloride
Concen: 0.426 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.01 min
Lab File: VU039406.D
Acq: 09 Jul 2020 19:29

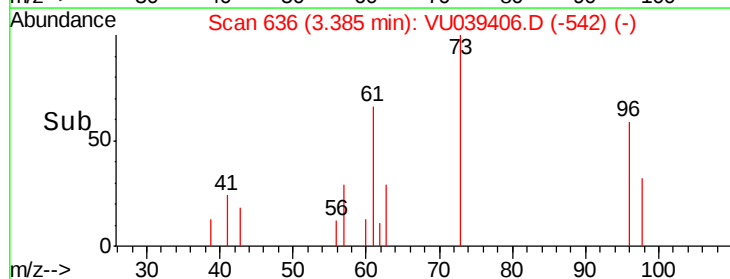
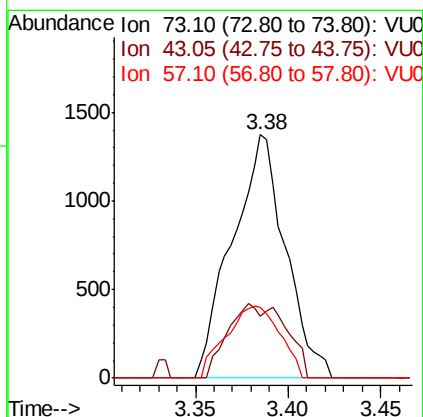
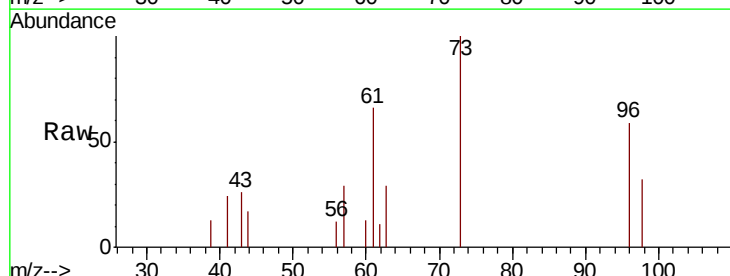
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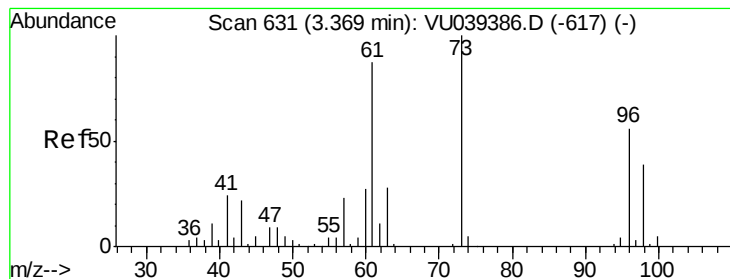
Tot Ion: 84 Resp: 3222
Ion Ratio Lower Upper
84 100
86 64.8 43.5 80.9
49 124.6 91.1 169.1



#17
Methyl tert-butyl Ether
Concen: 0.145 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039406.D
Acq: 09 Jul 2020 19:29

Tgt Ion: 73 Resp: 2745
Ion Ratio Lower Upper
73 100
43 18.9 18.6 28.0
57 30.1 17.9 26.9#





#18

trans-1,2-Dichloroethene

Concen: 0.532 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039406.D

Acq: 09 Jul 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

H4291DL

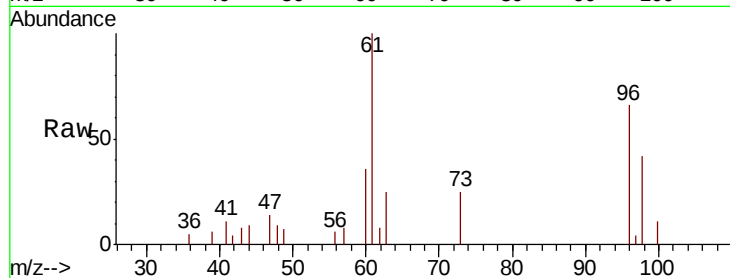
Tot Ion: 96 Resp: 3538

Ion Ratio Lower Upper

96 100

61 152.0 102.1 189.5

98 64.3 42.5 78.9

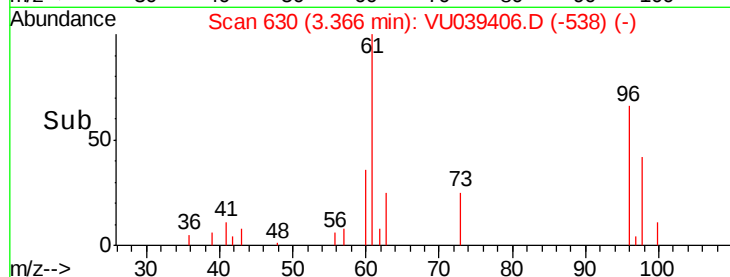


Abundance Ion 96.00 (95.70 to 96.70): VU039406.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039406.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039406.D (-538) (-)

Time-->



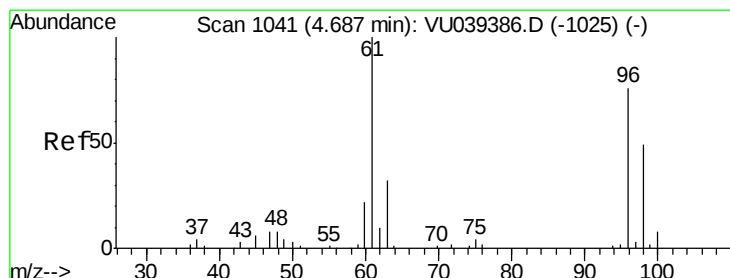
Abundance

Ion 96.00 (95.70 to 96.70): VU039406.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU039406.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU039406.D (-538) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.493 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039406.D

Acq: 09 Jul 2020 19:29

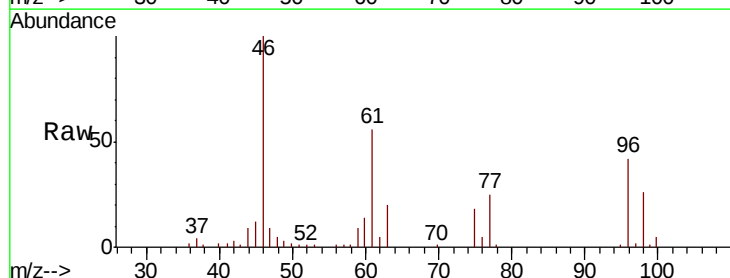
Tgt Ion: 96 Resp: 18590

Ion Ratio Lower Upper

96 100

61 134.6 92.8 172.4

68 0.0 0.0 0.0

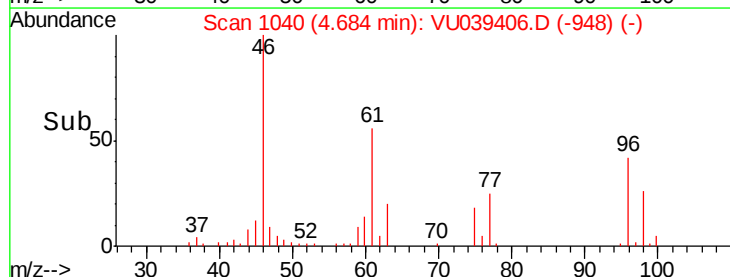


Abundance Ion 96.00 (95.70 to 96.70): VU039406.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039406.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039406.D (-948) (-)

Time-->



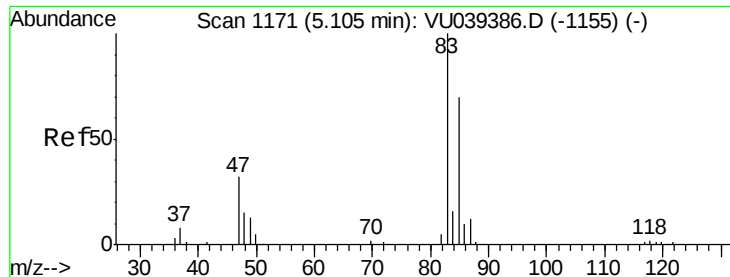
Abundance

Ion 96.00 (95.70 to 96.70): VU039406.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU039406.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU039406.D (-948) (-)

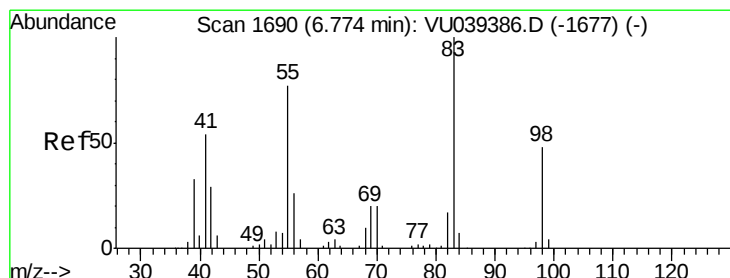
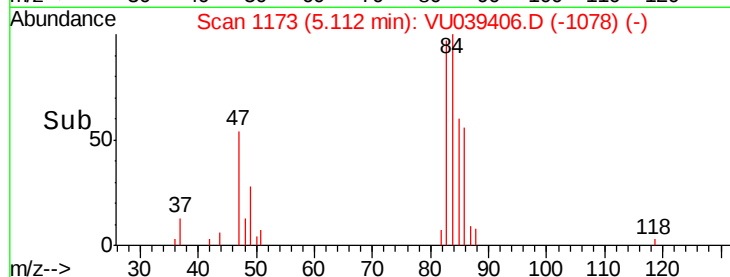
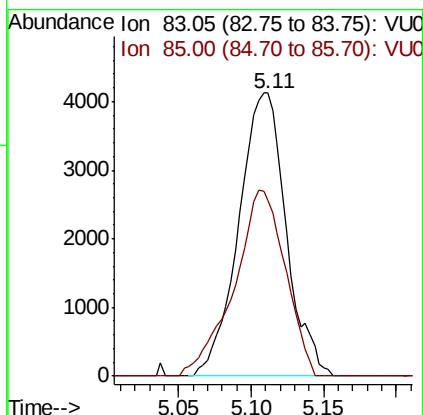
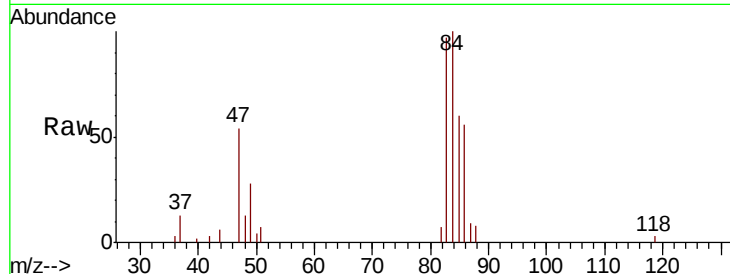
Time-->



#25
Chloroform
Concen: 0.716 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039406.D
Acq: 09 Jul 2020 19:29

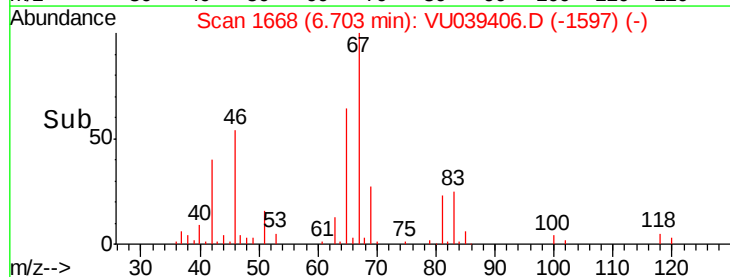
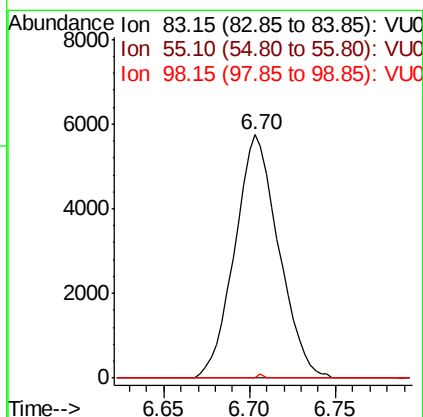
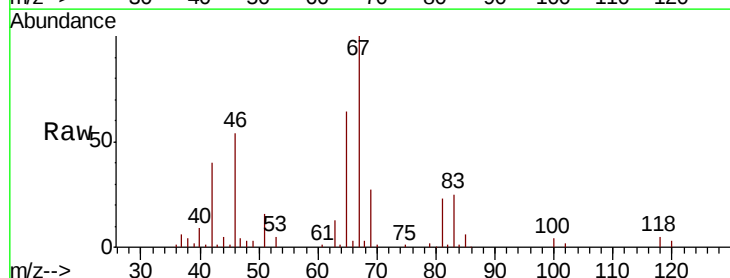
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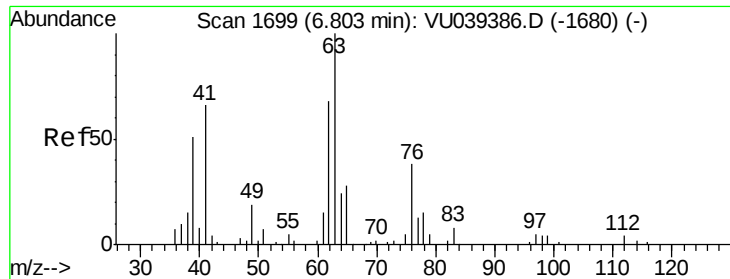
Tot Ion: 83 Resp: 9404
Ion Ratio Lower Upper
83 100
85 62.0 44.9 83.5



#35
Methylcyclohexane
Concen: 0.887 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039406.D
Acq: 09 Jul 2020 19:29

Tgt Ion: 83 Resp: 10167
Ion Ratio Lower Upper
83 100
55 0.2 62.1 93.1#
98 0.2 35.9 53.9#

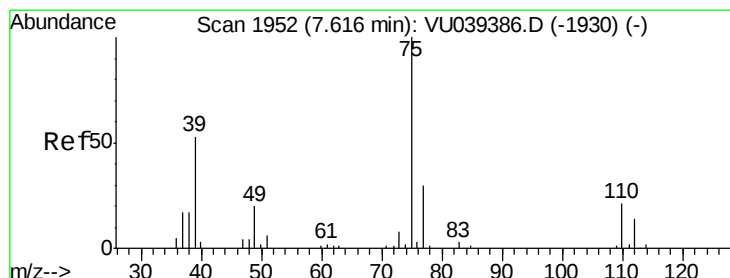
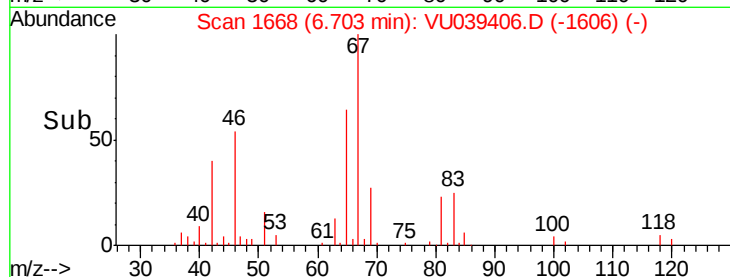
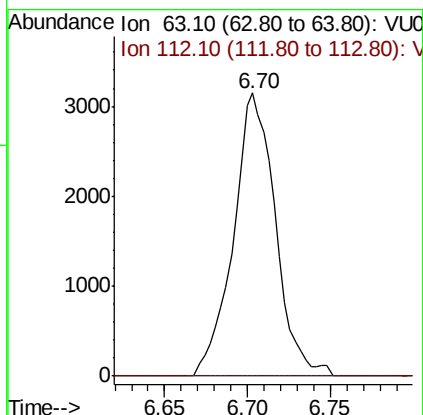
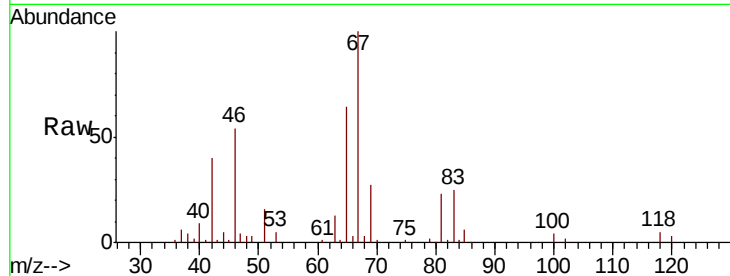




#37
 1,2-Dichloropropane
 Concen: 0.735 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039406.D
 Acq: 09 Jul 2020 19:29

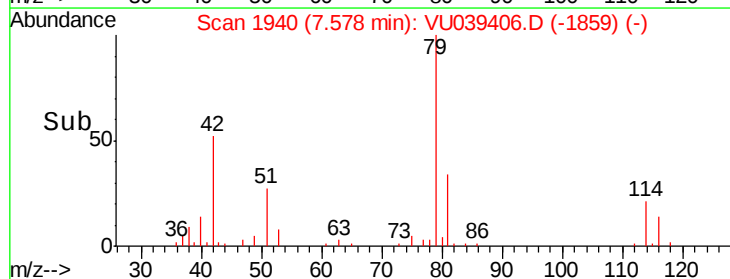
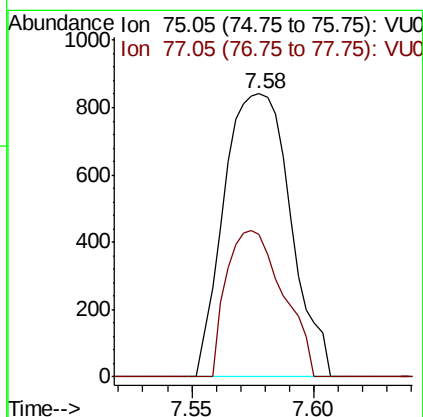
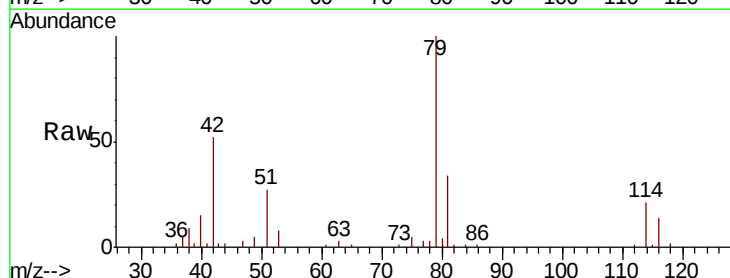
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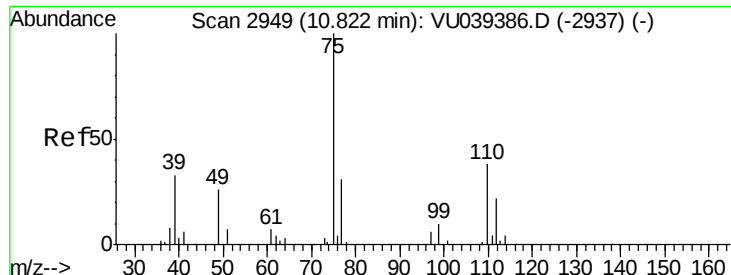
Tot Ion: 63 Resp: 5548
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.140 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039406.D
 Acq: 09 Jul 2020 19:29

Tgt Ion: 75 Resp: 1597
 Ion Ratio Lower Upper
 75 100
 77 50.4 22.3 41.3#





#59

1,2,3-Trichloropropane

Concen: 1.242 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU039406.D

Acq: 09 Jul 2020 19:29

Instrument :

MSVOA_U

ClientSampleId :

H4291DL

Tot Ion: 75 Resp: 6906

Ion Ratio Lower Upper

75 100

77 37.6 26.8 40.2

