

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070720\
 Data File : VU039319.D
 Acq On : 07 Jul 2020 17:15
 Operator : SY/MD
 Sample : L3193-02RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4276

Quant Time: Jul 08 01:46:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110077	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50928	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37628	5.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.00%
7) Chloroethane-d5	1.92	69	34798	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.58	63	56465	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	4.66	46	127674	43.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.48%
24) Chloroform-d	5.08	84	77490	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.72	65	47833	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
32) Benzene-d6	5.74	84	154078	6.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.00%
36) 1,2-Dichloropropane-d6	6.71	67	52415	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.00%
41) Toluene-d8	7.91	98	134506	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
43) trans-1,3-Dichloropropene-	8.19	79	21678	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	8.64	63	132846	56.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	49088	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	53867	5.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.60%

Target Compounds

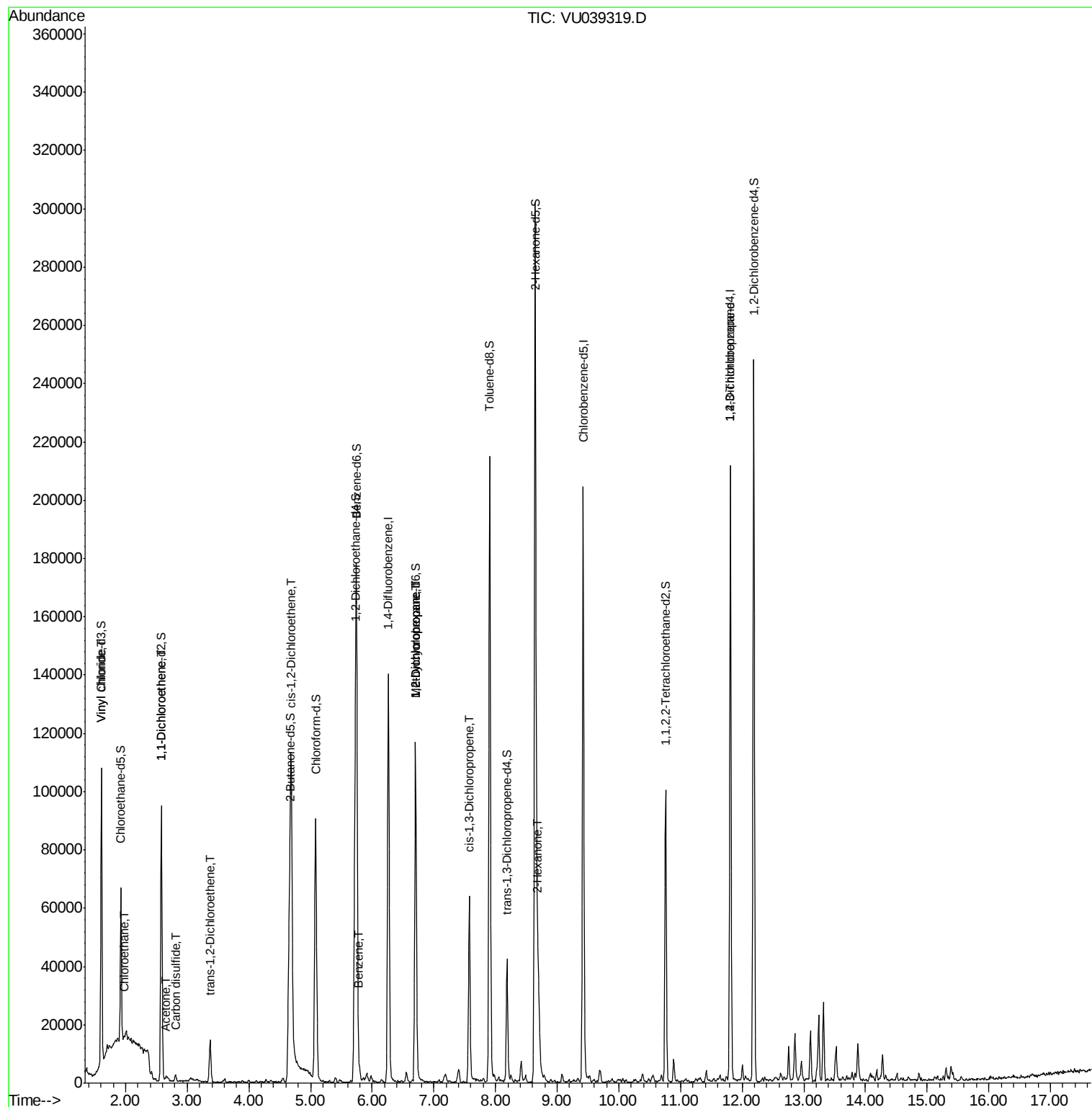
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	34448	3.838	ug/L	94
8) Chloroethane	1.96	64	584	0.090	ug/L #	47
12) 1,1-Dichloroethene	2.58	96	480	0.073	ug/L #	1
13) Acetone	2.66	43	3085	1.958	ug/L	71
14) Carbon disulfide	2.81	76	3002	0.130	ug/L #	89
18) trans-1,2-Dichloroethene	3.37	96	4773	0.659	ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	41671	5.128	ug/L	98
33) Benzene	5.78	78	3312	0.105	ug/L	100
35) Methylcyclohexane	6.71	83	12693	0.968	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	5982	0.693	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1926	0.148	ug/L	87
48) 2-Hexanone	8.69	43	5848	1.102	ug/L #	95
59) 1,2,3-Trichloropropane	11.81	75	8142	1.281	ug/L	95

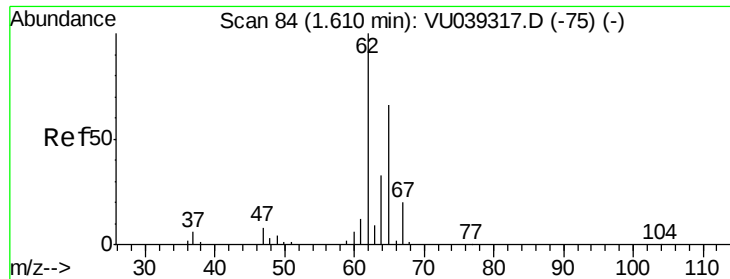
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.838 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039319.D

Acq: 07 Jul 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

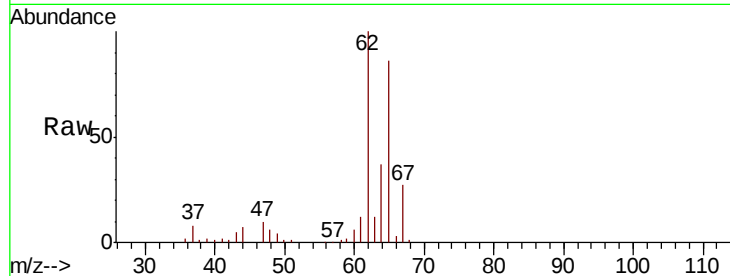
H4276

Tot Ion: 62 Resp: 34448

Ion Ratio Lower Upper

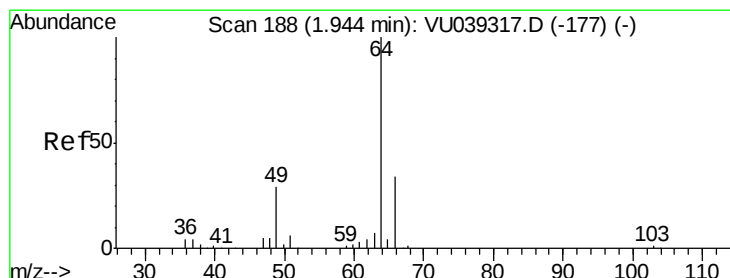
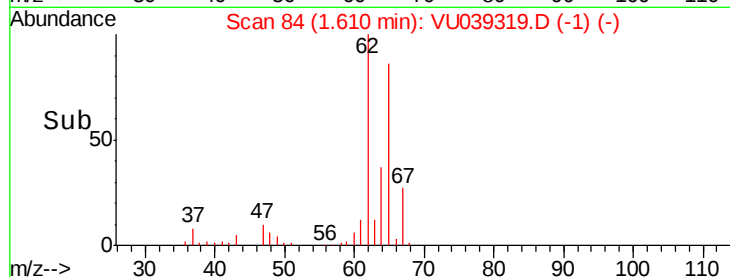
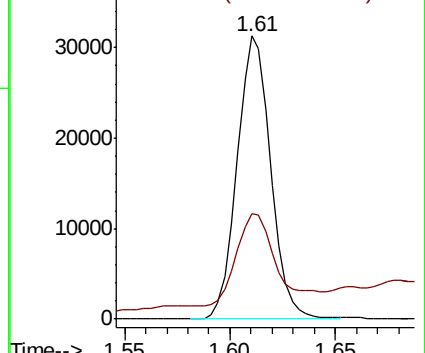
62 100

64 37.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.090 ug/L

RT: 1.96 min Scan# 194

Delta R.T. 0.02 min

Lab File: VU039319.D

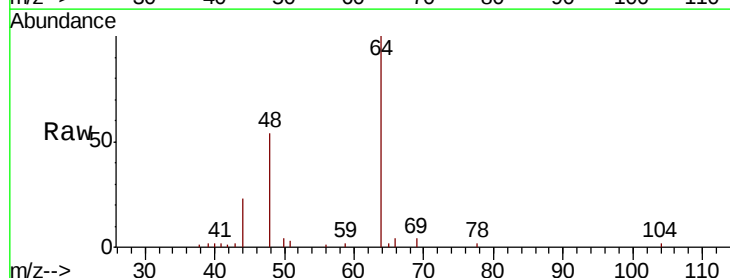
Acq: 07 Jul 2020 17:15

Tgt Ion: 64 Resp: 584

Ion Ratio Lower Upper

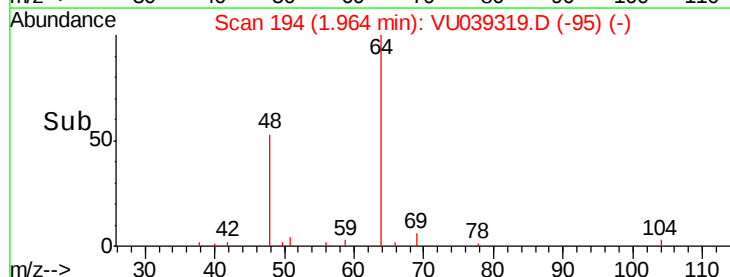
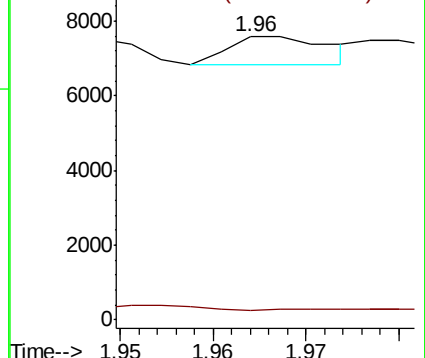
64 100

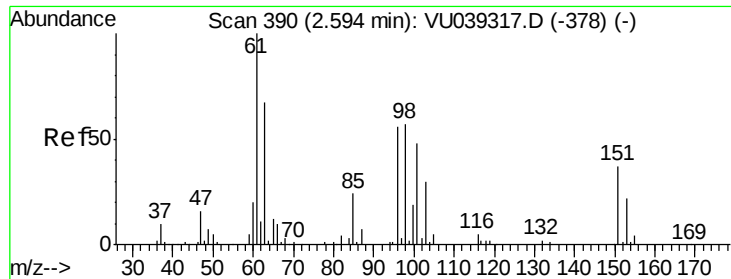
66 3.6 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#12

1,1-Dichloroethene

Concen: 0.073 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU039319.D

Acq: 07 Jul 2020 17:15

Instrument :

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ClientSampleId :

H4276

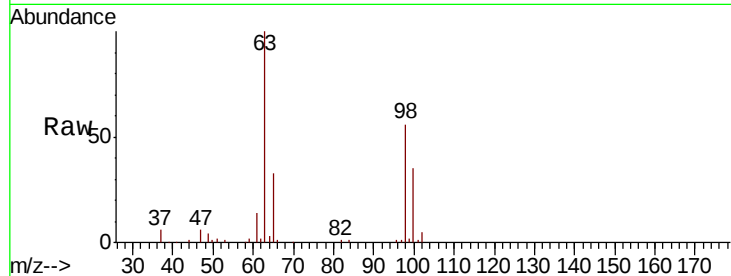
Tot Ion: 96 Resp: 480

Ion Ratio Lower Upper

96 100

61 1565.0 125.4 232.8#

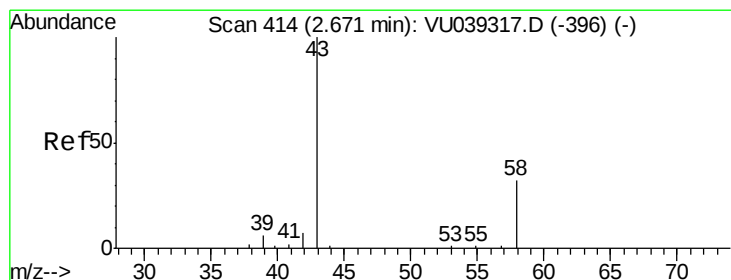
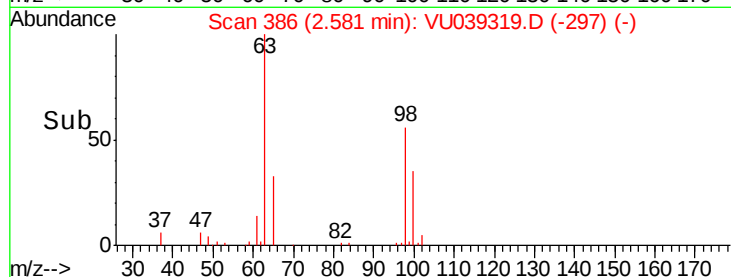
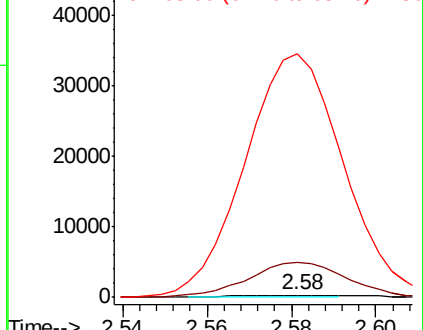
63 10996.2 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU039319.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU039319.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039319.D (-297) (-)



#13

Acetone

Concen: 1.958 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039319.D

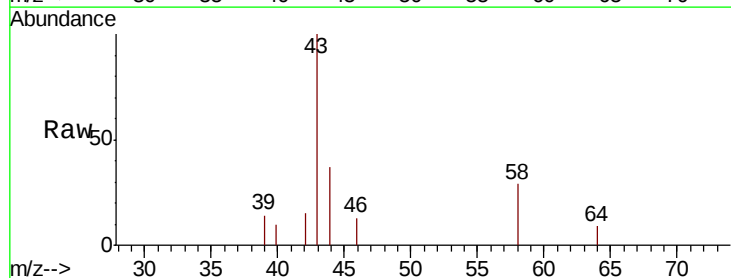
Acq: 07 Jul 2020 17:15

Tgt Ion: 43 Resp: 3085

Ion Ratio Lower Upper

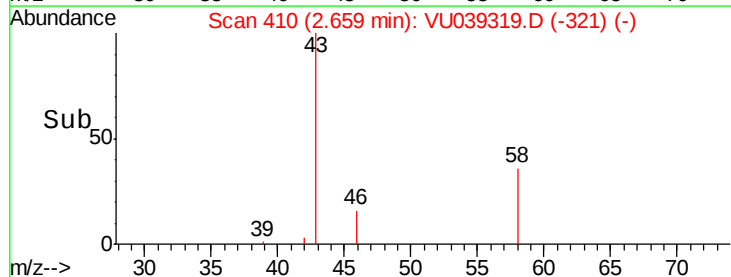
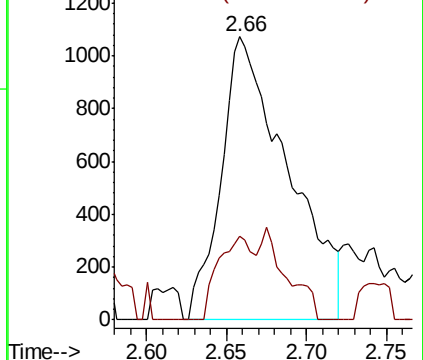
43 100

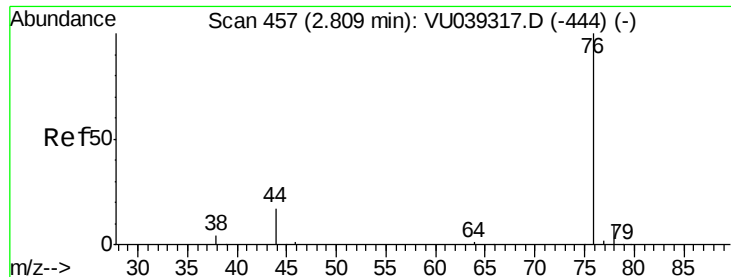
58 15.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039319.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU039319.D (-321) (-)





#14

Carbon disulfide

Concen: 0.130 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039319.D

Acq: 07 Jul 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

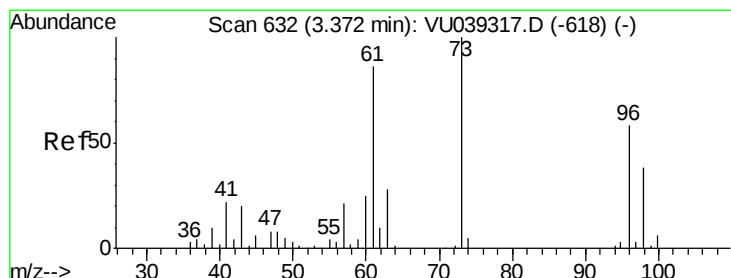
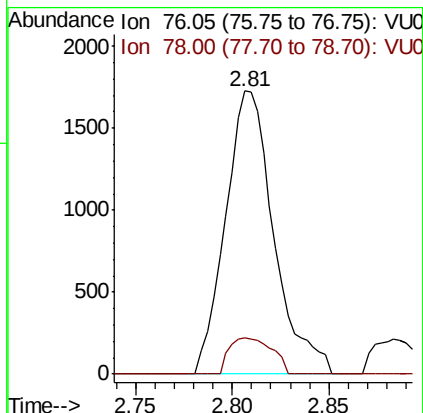
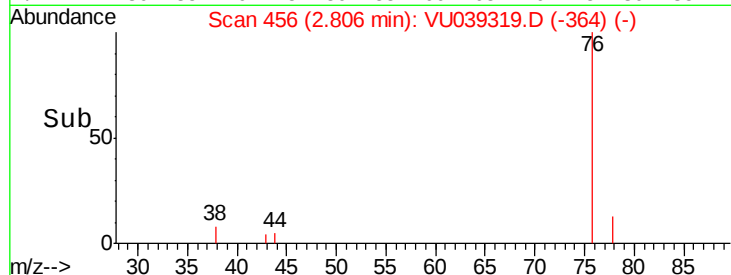
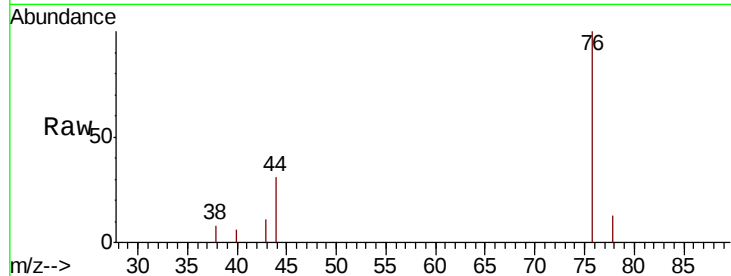
H4276

Tot Ion: 76 Resp: 3002

Ion Ratio Lower Upper

76 100

78 12.7 7.0 10.4#



#18

trans-1,2-Dichloroethene

Concen: 0.659 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039319.D

Acq: 07 Jul 2020 17:15

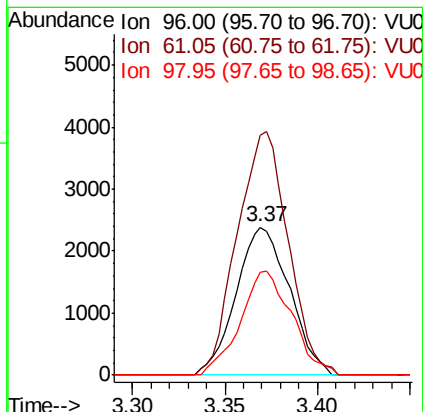
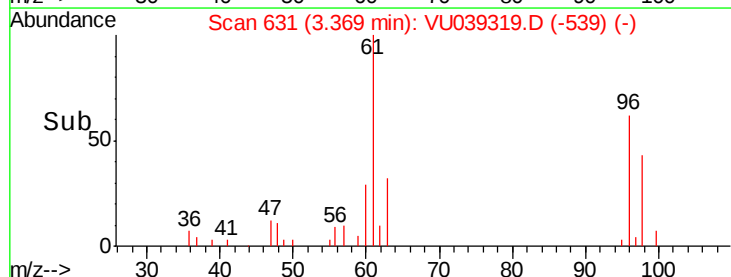
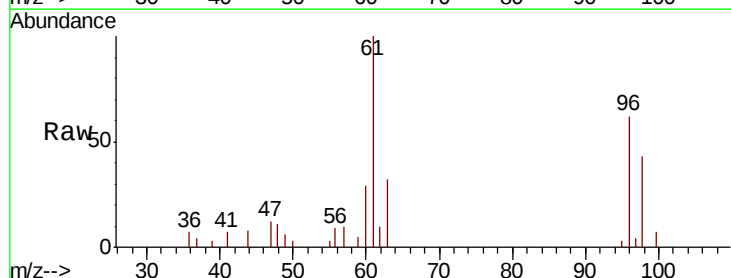
Tgt Ion: 96 Resp: 4773

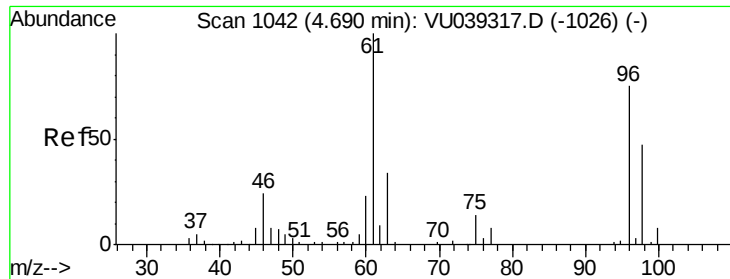
Ion Ratio Lower Upper

96 100

61 161.8 102.1 189.5

98 69.9 42.5 78.9

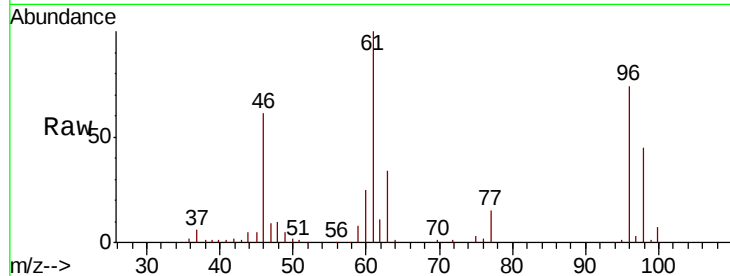




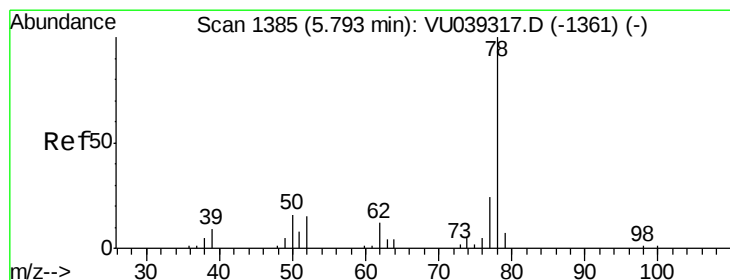
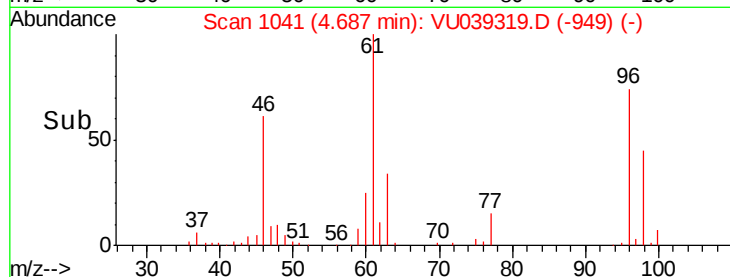
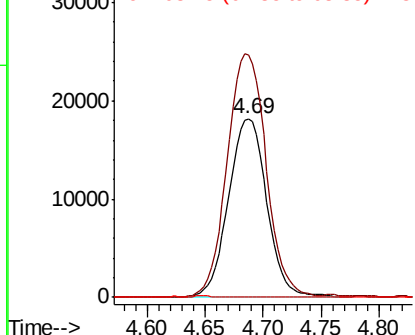
#22
 cis-1,2-Dichloroethene
 Concen: 5.128 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU039319.D
 Acq: 07 Jul 2020 17:15

Instrument :
 MSVOA_U
 ClientSampleId :
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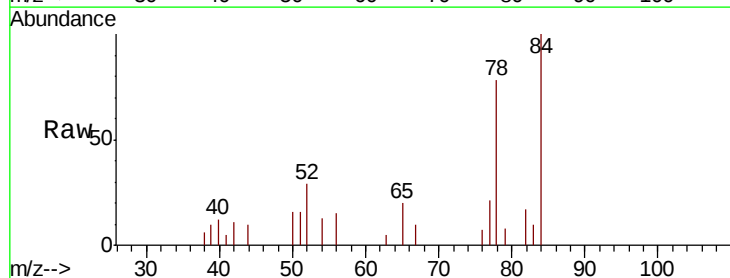
Tot Ion: 96 Resp: 41671
 Ion Ratio Lower Upper
 96 100
 61 135.5 92.8 172.4
 68 0.0 0.0 0.0



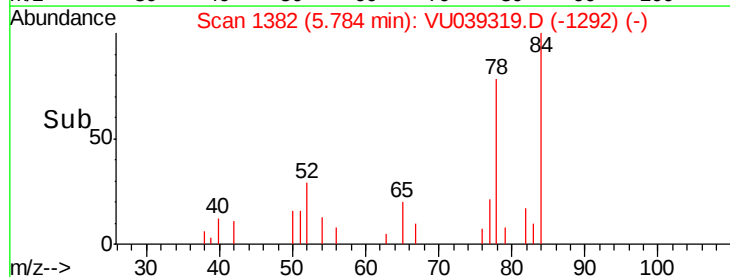
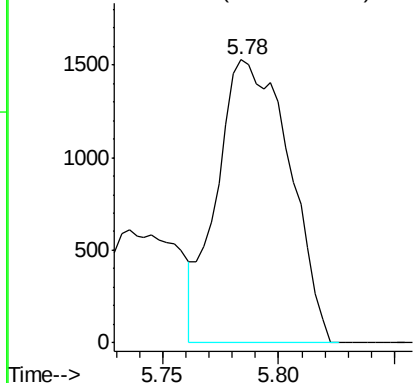
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

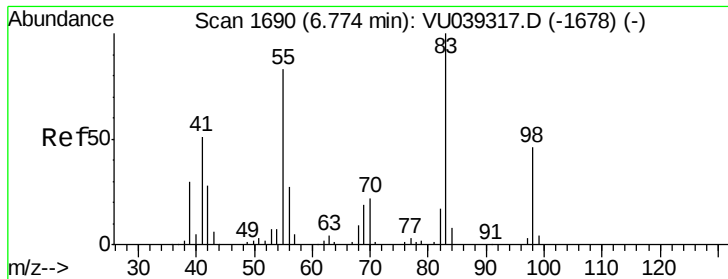


#33
 Benzene
 Concen: 0.105 ug/L
 RT: 5.78 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VU039319.D
 Acq: 07 Jul 2020 17:15
 Tgt Ion: 78 Resp: 3312



Abundance Ion 78.10 (77.80 to 78.80): VU0

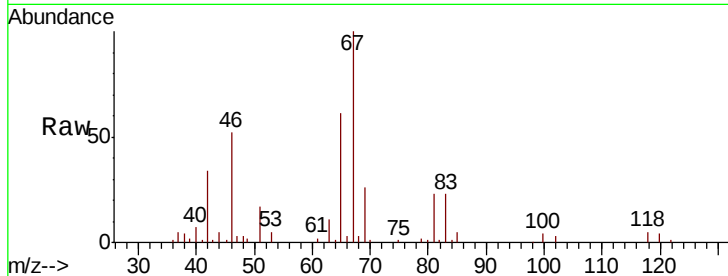




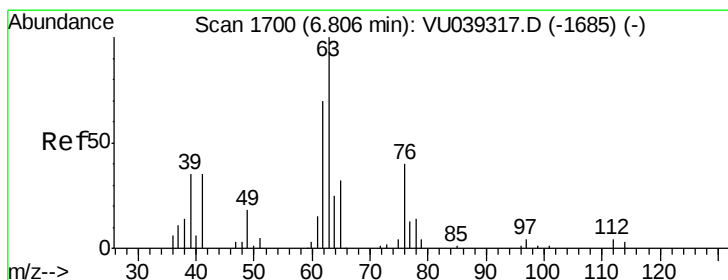
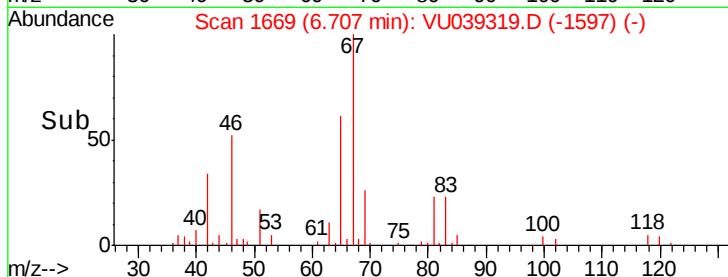
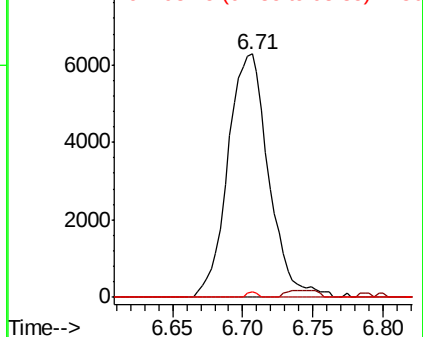
#35
Methvlcvclohexane
Concen: 0.968 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039319.D
Acq: 07 Jul 2020 17:15

Instrument :
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ClientSampleId :
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Tot Ion: 83 Resp: 12693
Ion Ratio Lower Upper
83 100
55 2.1 62.1 93.1#
98 0.6 35.9 53.9#

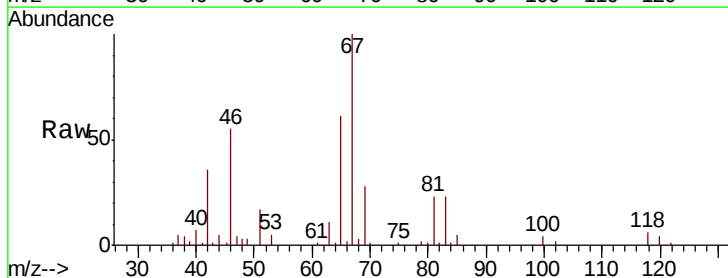


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

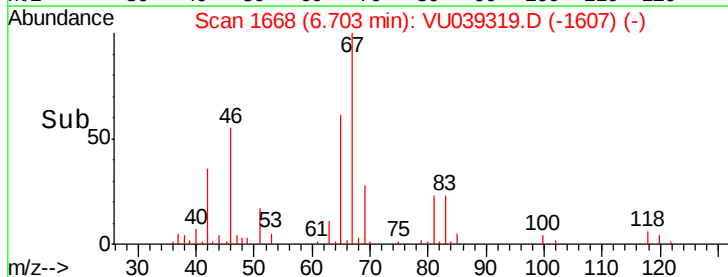
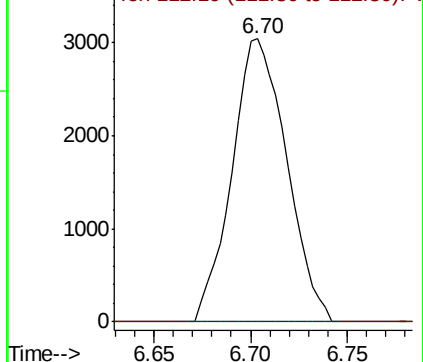


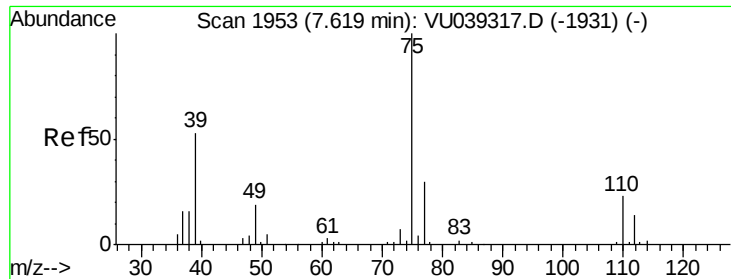
#37
1,2-Dichloropropane
Concen: 0.693 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039319.D
Acq: 07 Jul 2020 17:15

Tgt Ion: 63 Resp: 5982
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

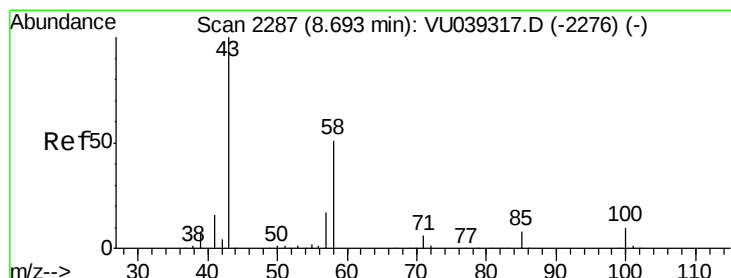
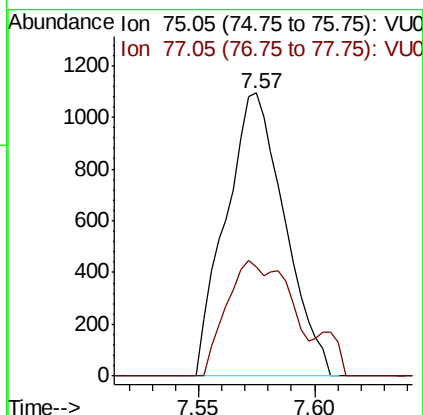
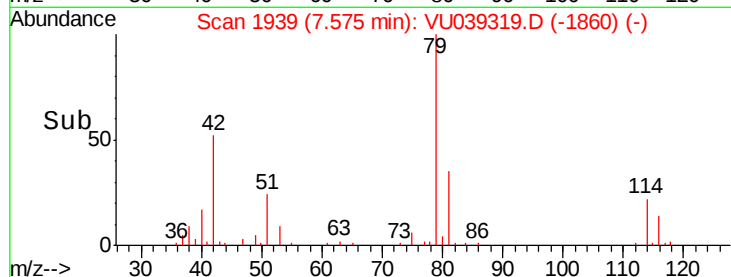
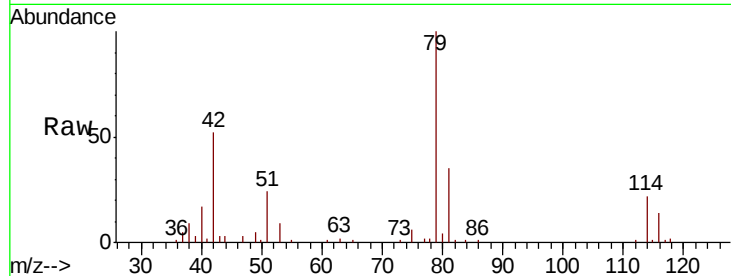




#39
 cis-1,3-Dichloropropene
 Concen: 0.148 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039319.D
 Acq: 07 Jul 2020 17:15

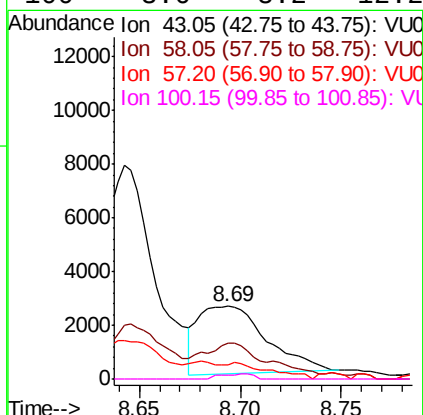
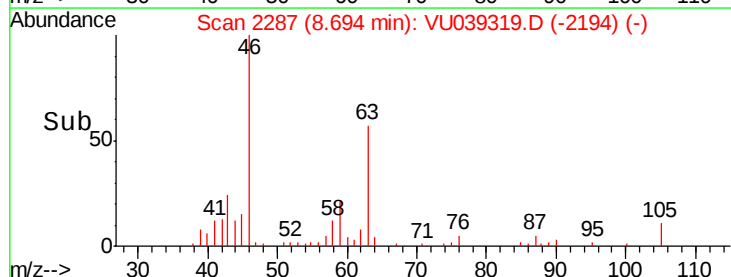
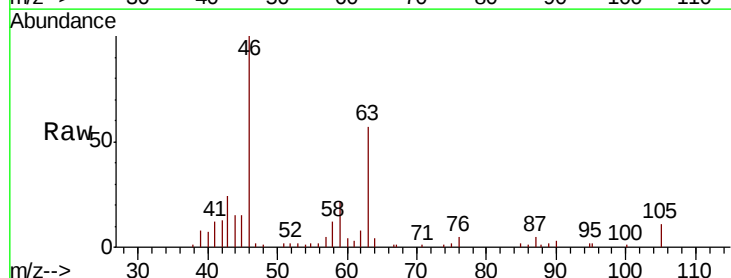
Instrument :
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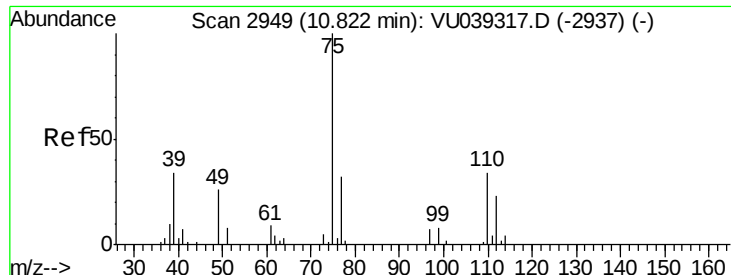
Tot Ion: 75 Resp: 1926
 Ion Ratio Lower Upper
 75 100
 77 38.8 22.3 41.3



#48
 2-Hexanone
 Concen: 1.102 ug/L
 RT: 8.69 min Scan# 2287
 Delta R.T. 0.00 min
 Lab File: VU039319.D
 Acq: 07 Jul 2020 17:15

Tgt Ion: 43 Resp: 5848
 Ion Ratio Lower Upper
 43 100
 58 54.2 42.0 63.0
 57 15.5 14.0 21.0
 100 3.6 8.2 12.2#





#59

1,2,3-Trichloropropane

Concen: 1.281 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039319.D

Acq: 07 Jul 2020 17:15

Instrument :

MSVOA_U

ClientSampleId :

H4276

Tot Ion: 75 Resp: 8142

Ion Ratio Lower Upper

75 100

77 36.3 26.8 40.2

